

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**C Number:** C55312B  
**Lock Date:** 09/06/1995  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Both  
**PWG Approval Date:** 09/26/1997

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 728
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500001

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

* Intestine Large, Rectum	* Mammary Gland
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**OBSERVATIONS**

* Kidney	Nephropathy	Mild
* Liver	Mixed Cell Focus	
[ Mixed Cell Focus TGLS = 1-4 ]		
* Lung	Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 1-4 ]		
* Pituitary Gland	Pars Distalis	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 490
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9500002

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex	Hypertrophy	Minimal
* Epididymis	Granuloma Sperm	Moderate
* Islets, Pancreatic	Hyperplasia	Marked
* Kidney	Nephropathy	Mild
* Liver	Hemangiosarcoma	
	Mixed Cell Focus	
[ Hemangiosarcoma TGLS = 1-9 ]		
[ Mixed Cell Focus TGLS = 3-4 ]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular	Erosion	Mild
[ Erosion TGLS = 2-4+9 ]		
* Testes	Atrophy	Mild

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**PRIMARY CAUSE OF DEATH** - Liver Hemangiosarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b> 9500003
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex	Hypertrophy	Mild
* Kidney	Cyst	Minimal
	Nephropathy	Mild
* Liver	Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 2-3 ]		
* Preputial Gland	Cyst	Moderate
[ Cyst TGLS = 1-8 ]		

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500004

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
Harderian Gland		Hyperplasia	Marked
[ Hyperplasia TGLS = 1-9 ]			
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
[ Mixed Cell Focus TGLS = 3-4 ]			
* Pancreas		Atrophy	Minimal
* Preputial Gland		Cyst	Moderate
[ Cyst TGLS = 2-8 ]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 727 <b>HISTO:</b> 9500005
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1-4 ]		
	[ Hepatocellular Carcinoma TGLS = 1-2+9 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 2-4 ]		
* Skin	Control	Infiltration Cellular	Mast Cell, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 612
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9500006

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Parathyroid Gland
* Prostate	* Seminal Vesicle	* Stomach, Forestomach	* Thyroid Gland
* Trachea			

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-10 ]			
* Bone Marrow		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-4 ]			
* Brain		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-4 ]			
* Epididymis		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-4 ]			
* Heart		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-4 ]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Mild
		Cyst	Minimal
		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	
		Lymphoma Malignant	
[ Hepatocellular Adenoma TGLS = 4-9 ]			
[ Lymphoma Malignant TGLS = 2-3+9 ]			
* Lung		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-3+9 ]			
Lymph Node	Inguinal	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 612
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9500006

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Lymph Node, Mandibular [ Lymphoma Malignant TGLS = 1-10 ]		Lymphoma Malignant
* Lymph Node, Mesenteric [ Lymphoma Malignant TGLS = 3-3 ]		Lymphoma Malignant
* Nose [ Lymphoma Malignant TGLS = 3-3 ]		Lymphoma Malignant
* Pancreas		Lymphoma Malignant
* Pituitary Gland		Lymphoma Malignant
* Preputial Gland		Lymphoma Malignant
* Salivary Glands		Lymphoma Malignant
* Skin	Control SOA	Lymphoma Malignant
* Spleen [ Lymphoma Malignant TGLS = 3-3 ]		Lymphoma Malignant
* Stomach, Glandular [ Lymphoma Malignant TGLS = 1-10 ]		Lymphoma Malignant
* Testes [ Lymphoma Malignant TGLS = 3-3 ]		Lymphoma Malignant
* Thymus [ Lymphoma Malignant TGLS = 3-3 ]		Lymphoma Malignant
* Urinary Bladder [ Lymphoma Malignant TGLS = 3-3 ]		Lymphoma Malignant

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**PRIMARY CAUSE OF DEATH** - Lung Lymphoma Malignant

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 664 <b>HISTO:</b> 9500007
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	Ureter
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adren Cortex		
Note: only 1 adrenal on slide		
* Bone Marrow	Hyperplasia	Moderate
* Intestine Small, Duodenum	Hepatoblastoma	Metastatic (Liver)
* Kidney	Hepatoblastoma	Metastatic (Liver)
	Nephropathy	Minimal
[ Hepatoblastoma TGLS = 1-3 ]		
* Liver	Hepatoblastoma	Multiple
	Necrosis	Moderate
[ Hepatoblastoma TGLS = 2,3-3+9 ]		
* Lung	Hepatoblastoma	Metastatic (Liver)
* Lymph Node, Mesenteric	Hepatoblastoma	Metastatic (Liver)
[ Hepatoblastoma TGLS = 4-4 ]		
Mesentery	Hepatoblastoma	Metastatic (Liver)
* Pancreas	Hepatoblastoma	Metastatic (Liver)
* Spleen	Hematopoietic Cell Proliferation	Moderate
	Hepatoblastoma	Metastatic (Liver)
* Stomach, Glandular	Hepatoblastoma	Metastatic (Liver)
* Thymus	Atrophy	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 664
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9500007

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b> 9500008
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

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**MISSING**

* Intestine Small, Duodenum	* Lymph Node, Mesenteric	* Mammary Gland
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 1-3 ]			
* Lung	Alveolar Epith	Hyperplasia	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 584 <b>HISTO:</b> 9500009
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
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**OBSERVATIONS**

Blood Vessel	Aorta	Inflammation	Moderate
* Bone Marrow		Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Marked
[ Nephropathy TGLS = 3-3 ]			
* Liver		Hepatocellular Carcinoma	Multiple
[ Hepatocellular Carcinoma TGLS = 1,2,4-4+3+9 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked

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**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 10	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500010

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

* Mammary Gland	* Pituitary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Mild
[ Cyst TGLS = 1-3+9 ]			
* Liver		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 2-9 ]			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 11	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 727
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500011

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Marked
* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Carcinoma TGLS = 3-2+2A+4+9 ]		
* Lung		Inflammation	Minimal
	[ Inflammation TGLS = 4-2 ]		
* Pituitary Gland		Cyst	Mild
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Moderate
	[ Inflammation TGLS = 1-6 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 2-3 ]		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 12	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 728 <b>HISTO:</b> 9500012
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

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**MISSING**

* Gallbladder	* Lymph Node, Mesenteric	* Mammary Gland
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[ Eosinophilic Focus TGLS = 1,2-9 ]			
[ Hepatocellular Adenoma TGLS = 1-9 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 13

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500013

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Pituitary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Intestine Small, Jejunum		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 5-4 ]			
* Kidney		Cyst	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 3-10 ]			
Lymph Node			
Note: renal node within normal limits at micro			
* Preputial Gland		Cyst	Moderate
[ Cyst TGLS = 1-8 ]			
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Minimal
[ Hemangiosarcoma TGLS = 2-9 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 14	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500014

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Islets, Pancreatic	Hyperplasia	Minimal
* Kidney	Nephropathy	Minimal
* Preputial Gland	Cyst	Marked
[ Cyst TGLS = 1-8 ]		
* Thymus	Atrophy	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 15	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500015

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

* Mammary Gland	* Preputial Gland
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Cyst	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 1-4 ]			
* Skin	Epidermis, SOA	Hyperplasia	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-04

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/22/2014

Time Report Requested: 14:47:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9500016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
Note: heterotopic bone noted			
* Preputial Gland		Cyst	Moderate
[ Cyst TGLS = 1-8 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 17	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 728
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500017

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

* Gallbladder	* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 18      **TRT#:** 1      **SEX:** Male      **DAY ON TEST:** 727  
**DOSE:** 0 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500018

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Minimal
[ Adenoma TGLS = 3-3 ]			
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
[ Clear Cell Focus TGLS = 1-4 ]			
[ Eosinophilic Focus TGLS = 1-4 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 2-2 ]			
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Minimal
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Mild
[ Hemangiosarcoma TGLS = 2-2 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 19

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500019

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
* Liver		Eosinophilic Focus	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 20

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 618

**DOSE:** 0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500020

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Marked
* Intestine Small, Jejunum		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 5-4 ]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 7-4 ]		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 4-9 ]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
[ Hyperplasia TGLS = 6-10 ]			
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 5-4 ]			
Mesentery		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 3-9 ]			
* Prostate		Inflammation	Minimal
* Seminal Vesicle		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 1-6 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 20

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 618

**DOSE:** 0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500020

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hematopoietic Cell Proliferation TGLS = 2-3 ]

\* Thymus

Atrophy

Marked

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PRIMARY CAUSE OF DEATH

- Liver Histiocytic Sarcoma

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 21                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 729  
**DOSE:** 0 MG/KG                      **DISP:** Terminal Sacrifice                      **HISTO:** 9500021

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 3-9 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 4-2 ]		Hepatocellular Carcinoma	Metastatic (Liver)
* Preputial Gland		Cyst	Minimal
[ Cyst TGLS = 1-8 ]			
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA	Inflammation	Marked
	SOA	Ulcer	Marked
[ Ulcer TGLS = 5-6 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 2-3 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 22	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 727
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500022.

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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**OBSERVATIONS**

* Adrenal Cortex	Hypertrophy	Minimal
* Islets, Pancreatic	Hyperplasia	Minimal
* Kidney	Nephropathy	Mild
* Preputial Gland	Cyst	Mild

[ Cyst TGLS = 1-8 ]

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 23	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500023

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Preputial Gland		Cyst	Marked
	[ Cyst TGLS = 1-8 ]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 24	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500024

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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**MISSING**

* Mammary Gland	* Pituitary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Hyperplasia	Minimal
* Islets, Pancreatic	Hyperplasia	Minimal
* Kidney	Nephropathy	Mild
* Liver	Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 1-4 ]		
* Lung	Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 3-10 ]		
* Spleen	Hematopoietic Cell Proliferation	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 25

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500025

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	[ Clear Cell Focus TGLS = 2,3,4-10+4+11+9 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	[ Alveolar/Bronchiolar Carcinoma TGLS = 5,6-9 ]		
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Cyst	Moderate
	[ Cyst TGLS = 1-8 ]		
* Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 26	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 727
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500026

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
[ Clear Cell Focus TGLS = 1-9 ]		
* Preputial Gland	Cyst	Moderate
[ Cyst TGLS = 2-8 ]		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 27

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500027

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Hypertrophy	Minimal
* Islets, Pancreatic	Hyperplasia	Mild
* Kidney	Nephropathy	Minimal
* Liver	Clear Cell Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
[ Clear Cell Focus TGLS = 2-9 ]		
[ Hepatocellular Adenoma TGLS = 1,3-4+10 ]		
[ Hepatocellular Carcinoma TGLS = 2-9 ]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Spleen	Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-04

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/22/2014

Time Report Requested: 14:47:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9500028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

\* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[ Clear Cell Focus TGLS = 4-4 ]			
[ Eosinophilic Focus TGLS = 4-4 ]			
[ Hepatocellular Adenoma TGLS = 3-3 ]			
[ Hepatocellular Carcinoma TGLS = 2-10 ]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Preputial Gland		Cyst	Moderate
[ Cyst TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 29	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 728
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500029

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2-4 ]		
	[ Hepatocellular Carcinoma TGLS = 2-4 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 3-2 ]		
* Skin	Subcut Tiss	Hemangiosarcoma	
	Note: skin site is dorsal, but not in site of application		
	[ Hemangiosarcoma TGLS = 1-9 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 30	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 645
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9500030

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Islets, Pancreatic	Adenoma	
* Kidney	Nephropathy	Minimal
* Liver	Angiectasis	Mild
	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple

[ Eosinophilic Focus TGLS = 2,3-9+9REE ]

[ Hepatocellular Adenoma TGLS = 2,3-9+9REE ]

---

**PRIMARY CAUSE OF DEATH** - Islets, Pancreatic Adenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 31	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 673
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9500031

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

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**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Cyst	Mild
		Nephropathy	Moderate
* Liver		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Carcinoma TGLS = 1,2-9+10 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 32	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500032

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

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**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex	Hypertrophy	Minimal
* Adrenal Medulla	Hyperplasia	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	
	Mixed Cell Focus	
[ Hepatocellular Adenoma TGLS = 2-9 ]		
[ Mixed Cell Focus TGLS = 1-3 ]		
* Lung	Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 4-2 ]		
* Preputial Gland	Inflammation	Marked
[ Inflammation TGLS = 3-8 ]		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 33

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500033

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Hypertrophy	Minimal
* Bone	Hyperostosis	Mild
[ Hyperostosis TGLS = 7-12 ]		
* Islets, Pancreatic	Hyperplasia	Mild
* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	Mixed Cell Focus	
[ Clear Cell Focus TGLS = 2-9 ]		
[ Eosinophilic Focus TGLS = 5-9 ]		
[ Hepatocellular Adenoma TGLS = 3,4-9+10 ]		
[ Hepatocellular Carcinoma TGLS = 2-9 ]		
[ Mixed Cell Focus TGLS = 5-9 ]		
* Lung	Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 6-11 ]		
* Lymph Node, Mesenteric	Angiectasis	Moderate
* Preputial Gland	Cyst	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 33

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500033

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Cyst TGLS = 1-8 ]

\* Thymus

Atrophy

Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 34

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500034

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Artery	Inflammation	Moderate
		Nephropathy	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Nasolacrim Dct	Inflammation	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 35	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 700
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9500035

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
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**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Moderate
* Kidney	Cyst	Minimal
	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2-9 ]	
	[ Hepatocellular Carcinoma TGLS = 1-9 ]	
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Thymus	Atrophy	Mild

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**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500036

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
* Preputial Gland		Cyst	Mild
[ Cyst TGLS = 1-8 ]			
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA	Parakeratosis	Mild
[ Parakeratosis TGLS = 2-9 ]			

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 37	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500037

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex	Hypertrophy	Minimal
* Islets, Pancreatic	Hyperplasia	Minimal
* Kidney	Nephropathy	Minimal
* Spleen	Hematopoietic Cell Proliferation	Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 38

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500038

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Lymph Node, Mesenteric	* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
Harderian Gland		Adenoma	
Note: Incidental tumor noted in Harderian tissue from protocol-required nasal section.			
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
[ Hepatocellular Carcinoma TGLS = 2,3,4,5,6-9+9+10+11+11 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
[ Alveolar/Bronchiolar Adenoma TGLS = 7-2 ]			
[ Hepatocellular Carcinoma TGLS = 7-2 ]			
* Preputial Gland		Cyst	Moderate
[ Cyst TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 39

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500039

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Eosinophilic Focus TGLS = 2,3,4-10+4+9 ]		
	[ Hepatocellular Adenoma TGLS = 2,3,4-10+4+9 ]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[ Alveolar/Bronchiolar Adenoma TGLS = 5,6-12+11 ]		
* Preputial Gland		Cyst	Moderate
	[ Cyst TGLS = 1-8 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 40

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500040

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 2,3,4-4+9+9+3 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 5-10 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-9 ]		
* Preputial Gland		Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-04

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/22/2014

Time Report Requested: 14:47:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9500041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1,2-9+3 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 1,2-9+3 ]		
* Pituitary Gland	Pars Intermed	Adenoma	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 42	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500042

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Kidney		Cyst	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
	[ Hepatocellular Carcinoma TGLS = 1-9 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 43

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500043

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Hyperplasia	Mild
	Hypertrophy	Minimal
* Islets, Pancreatic	Hyperplasia	Mild
* Kidney	Nephropathy	Minimal
* Liver	Degeneration	Cystic, Moderate
	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2,3-2+9+3 ]		
* Nose	Inflammation	Minimal
* Preputial Gland	Cyst	Moderate
[ Cyst TGLS = 1-8 ]		
* Spleen	Hematopoietic Cell Proliferation	Minimal
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500044

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex Note: only 1 adrenal on slide	Hypertrophy	Minimal
* Islets, Pancreatic	Hyperplasia	Mild
* Kidney	Nephropathy	Mild
* Lymph Node, Mesenteric [ Hyperplasia TGLS = 2-4 ]	Hyperplasia	Lymphoid, Mild
* Preputial Gland [ Cyst TGLS = 1-8 ]	Cyst	Moderate

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 45                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 728  
**DOSE:** 0 MG/KG                      **DISP:** Terminal Sacrifice                      **HISTO:** 9500045

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hemangiosarcoma	Metastatic (Spleen)
* Kidney	Artery	Inflammation	Moderate
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	Metastatic (Spleen)
		Hepatocellular Adenoma	
		[ Eosinophilic Focus TGLS = 5,7-4+10 ]	
		[ Hemangiosarcoma TGLS = 3,4-3 ]	
		[ Hepatocellular Adenoma TGLS = 6-9 ]	
* Lung		Alveolar/Bronchiolar Carcinoma	
		[ Alveolar/Bronchiolar Carcinoma TGLS = 1-9 ]	
* Spleen		Hemangiosarcoma	
		[ Hemangiosarcoma TGLS = 2-3 ]	
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 46

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500046

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Epididymis		Granuloma Sperm	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Clear Cell Focus TGLS = 3-3 ]		
	[ Eosinophilic Focus TGLS = 2-4 ]		
	[ Hepatocellular Adenoma TGLS = 1,4-9+10 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 3-3 ]		
* Preputial Gland		Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 47

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500047

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Medulla  
\* Brain  
\* Heart  
\* Intestine Small, Duodenum  
\* Liver  
\* Nose  
\* Preputial Gland  
\* Skin  
\* Testes  
\* Urinary Bladder

Blood Vessel  
\* Epididymis  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lung  
\* Pancreas  
\* Prostate  
\* Spleen  
\* Thymus

\* Bone  
\* Esophagus  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Parathyroid Gland  
\* Salivary Glands  
\* Stomach, Forestomach  
\* Thyroid Gland

\* Bone Marrow  
\* Gallbladder  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mesenteric  
\* Pituitary Gland  
\* Seminal Vesicle  
\* Stomach, Glandular  
\* Trachea

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Adrenal Cortex  
\* Kidney

Hypertrophy  
Nephropathy

Minimal  
Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 48

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500048

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Mild
* Epididymis		
Note: unilateral aspermia, correlates with unilateral testicular atrophy		
* Islets, Pancreatic	Hyperplasia	Mild
* Kidney	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 1,2,3-3+9+10 ]		
* Spleen	Hematopoietic Cell Proliferation	Mild
* Testes	Atrophy	Mild
* Thyroid Gland	Follicular Cel Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 49

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500049

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

Harderian Gland	* Mammary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Hypertrophy	Mild
Eye	Sarcoma	
[ Sarcoma TGLS = 1-9 ]		
Harderian Gland		
Note: right harderian lost in tumor, which does not appear to be harderian in origin.		
* Kidney	Nephropathy	Mild
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
[ Eosinophilic Focus TGLS = 5-3REE ]		
[ Hepatocellular Adenoma TGLS = 3,4,5-10+11+3 ]		
* Preputial Gland	Cyst	Moderate
[ Cyst TGLS = 2-8 ]		
* Skin	Epidermis, SOA	Hyperplasia
		Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 50	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 420
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9500050

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Bone Marrow	Hemangiosarcoma	Metastatic (Liver)
* Liver	Hemangiosarcoma	Multiple
[ Hemangiosarcoma TGLS = 1,2,3-4+3+9 ]		
* Spleen	Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Hyperplasia	Focal, Mild

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**PRIMARY CAUSE OF DEATH** - Liver Hemangiosarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 51

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 653

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500051

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Cyst	Mild
		Nephropathy	Minimal
* Liver		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Alveolar/Bronchiolar Carcinoma TGLS = 5-11 ]		
	[ Eosinophilic Focus TGLS = 5-11 ]		
	[ Hepatocellular Adenoma TGLS = 1,5-3+11 ]		
* Lung	Serosa	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	Multiple
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2-9 ]		
Lymph Node	Lumbar	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	[ Alveolar/Bronchiolar Carcinoma TGLS = 4-9 ]		
Skeletal Muscle		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)

Note: Skeletal Muscle - Metastatic Alveolar Bronchiolar Carcinoma was given a site of Thoracic which could not be entered because the term was unavailable.

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 51	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 653
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9500051

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Alveolar/Bronchiolar Carcinoma TGLS = 3-10 ]

* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked

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PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 52

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500052

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Pituitary Gland
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 1-4+9 ]			
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 53

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500053

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Moderate
* Kidney		Nephropathy	Mild
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[ Alveolar/Bronchiolar Adenoma TGLS = 2-2 ]		
* Preputial Gland		Cyst	Moderate
	[ Cyst TGLS = 1-8 ]		
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 54

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500054

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		[ Eosinophilic Focus TGLS = 2-10 ]	
		[ Hepatocellular Adenoma TGLS = 3,4-9+4 ]	
		[ Hepatocellular Carcinoma TGLS = 2-10 ]	
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		[ Alveolar/Bronchiolar Carcinoma TGLS = 5-9 ]	
* Preputial Gland		Cyst	Moderate
		[ Cyst TGLS = 1-8 ]	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 54

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500054

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 55	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 727
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500055

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[ Hepatocellular Adenoma TGLS = 1,2,3,4,5-3+4+9+10+11 ]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Preputial Gland		Cyst	Moderate
* Skin	Epidermis, SOA	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 56

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500056

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Eosinophilic Focus TGLS = 2,3,4,5,6,7-11+12+11+12+10+9 ]		
	[ Hepatocellular Adenoma TGLS = 2,3,4,5,6,7-11+12+11+12+10+9 ]		
* Lung	Alveolar/Bronchiolar Adenoma		
	Alveolar Epith	Hyperplasia	Minimal
	[ Alveolar/Bronchiolar Adenoma TGLS = 8-9 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Cyst	Mild
	[ Cyst TGLS = 1-8 ]		
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 57	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500057

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1,2-2+4+9 ]		
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 58

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500058

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
	[ Basophilic Focus TGLS = 2-3 ]		
	[ Clear Cell Focus TGLS = 1-9 ]		
	[ Hepatocellular Adenoma TGLS = 1-9 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 3-9 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 59      **TRT#:** 3      **SEX:** Male      **DAY ON TEST:** 727  
**DOSE:** 100 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500059

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Eosinophilic Focus TGLS = 2-4 ]		
	[ Hepatocellular Adenoma TGLS = 3,4-3+9 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 5-2 ]		
* Pituitary Gland	Pars Intermed	Hyperplasia	Marked
* Preputial Gland		Cyst	Moderate
	[ Cyst TGLS = 1-8 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 60

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500060

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	
	[ Hemangiosarcoma TGLS = 3-4 ]		
	[ Hepatocellular Adenoma TGLS = 2-3 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 4-9 ]		
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 61

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500061

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland                      \* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 1-12 ]			
* Kidney		Cyst	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[ Eosinophilic Focus TGLS = 4-11 ]			
[ Hepatocellular Adenoma TGLS = 2-11 ]			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
[ Alveolar/Bronchiolar Adenoma TGLS = 3,5-10 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas		Atrophy	Minimal
* Preputial Gland		Cyst	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Hyperplasia	Focal, Moderate
		Ulcer	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 61	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 727
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500061

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = two foci; 6-9 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 62

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500062

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Minimal
Note: only 1 adrenal on slide			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
[ Alveolar/Bronchiolar Carcinoma TGLS = 1,2-9+10 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 63      **TRT#:** 3      **SEX:** Male      **DAY ON TEST:** 507  
**DOSE:** 100 MG/KG      **DISP:** Moribund Sacrifice      **HISTO:** 9500063

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	[ Eosinophilic Focus TGLS = 8-9 ]		
	[ Hepatoblastoma TGLS = 2,3-2+2A+4 ]		
	[ Hepatocellular Adenoma TGLS = 3,4,5,6,7-2+2A+3+9 ]		
* Preputial Gland		Cyst	Moderate
	[ Cyst TGLS = 1-8 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH** - Liver Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 64

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500064

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Pituitary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hyperplasia	Minimal
		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Eosinophilic Focus TGLS = 6-12 ]		
	[ Hepatocellular Adenoma TGLS = 2,3,4,5-4+9+10+11 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Stomach, Glandular		Dysplasia	Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 65      **TRT#:** 3      **SEX:** Male      **DAY ON TEST:** 727  
**DOSE:** 100 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500065

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Mixed Cell Focus	
		[ Eosinophilic Focus TGLS = 1-9 ]	
		[ Hepatocellular Adenoma TGLS = 3-10 ]	
		[ Mixed Cell Focus TGLS = 2-3 ]	
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 66

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500066

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
		[ Eosinophilic Focus TGLS = 1,2-3+9 ]	
		[ Hepatocellular Adenoma TGLS = 3,4-10+11 ]	
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 67	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 576
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9500067

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
		Necrosis	Minimal
	[ Hepatocellular Carcinoma TGLS = 1,2-4+9 ]		
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate

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**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 68	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 728
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500068

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

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**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Preputial Gland		Cyst	Moderate
[ Cyst TGLS = 1-8 ]			
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 69

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500069

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Clear Cell Focus TGLS = 1-9 ]		
	[ Eosinophilic Focus TGLS = 1,2-9+10 ]		
	[ Hepatocellular Adenoma TGLS = 3,4-11+4 ]		
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 70

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 454

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500070

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Epididymis		Granuloma Sperm	Minimal
* Heart		Histiocytic Sarcoma	
* Kidney		Accumulation, Hyaline Droplet	Mild
		Histiocytic Sarcoma	
		Nephropathy	Minimal
Note: Proximal tubules packed with hyalin droplets, typical of monoclonal gammaglobinemia of histiosarcoma in mice. Histiosarc cells in blood vessels.			
* Liver		Histiocytic Sarcoma	
	[ Histiocytic Sarcoma TGLS = 1-2+3+4 ]		
* Lung		Histiocytic Sarcoma	
	[ Histiocytic Sarcoma TGLS = 1-2+3+4 ]		
* Pituitary Gland		Cyst	Minimal
* Skin		Histiocytic Sarcoma	
	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	[ Histiocytic Sarcoma TGLS = 2-9 ]		
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Moderate

**PRIMARY CAUSE OF DEATH** - Lung Histiocytic Sarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 70

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 454

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500070

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 71	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 727
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500071

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Intestine Small, Jejunum	Lymphatic	Hyperplasia	Mild
[ Hyperplasia TGLS = 2-9 ]			
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 1-9 ]			
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 72

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 696

**DOSE:** 100 MG/KG

**DISP:** Natural Death

**HISTO:** 9500072

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Histiocytic Sarcoma Hyperplasia	Moderate
* Epididymis		Histiocytic Sarcoma	
* Kidney		Nephropathy	Minimal
* Liver		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 3,5,8-3+4+9 ]			
* Lung		Alveolar/Bronchiolar Adenoma Histiocytic Sarcoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 6-9 ]			
[ Histiocytic Sarcoma TGLS = 3,5,8-3+4+9 ]			
Lymph Node	Mediastinal	Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation Hemorrhage Histiocytic Sarcoma	Mild Marked
[ Hemorrhage TGLS = 7-4 ]			
[ Histiocytic Sarcoma TGLS = 4-3 ]			
Mesentery		Histiocytic Sarcoma	
* Preputial Gland		Cyst	Mild
[ Cyst TGLS = 1-8 ]			
* Skin	Control	Edema	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 72	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 696
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9500072

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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SOA	Hyperkeratosis	Minimal
Epidermis, SOA	Hyperplasia	Moderate
SOA, Sebaceous GI	Hyperplasia	Mild
SOA	Parakeratosis	Minimal
[ Edema TGLS = 2-7 ]		
* Spleen	Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 4-3 ]		
* Stomach, Glandular	Histiocytic Sarcoma	
* Thymus	Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 4-3 ]		

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**PRIMARY CAUSE OF DEATH** - Lung Histiocytic Sarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 73

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500073

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Intestine Small, Jejunum		Inflammation	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Clear Cell Focus TGLS = 2-3 ]		
	[ Eosinophilic Focus TGLS = 2,4-9+11 ]		
	[ Hepatocellular Adenoma TGLS = 1,3,5-10+10+4 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 6-9 ]		
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Minimal
* Thymus		Atrophy	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 74

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500074

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Parathyroid Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2-9 ]		
	[ Hepatocellular Carcinoma TGLS = 1-10 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Preputial Gland		Cyst	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 75

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500075

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Heart		Degeneration	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		[ Clear Cell Focus TGLS = 4,5-10+11 ]	
		[ Hepatocellular Adenoma TGLS = 4,5-10+11 ]	
* Preputial Gland		Cyst	Moderate
		[ Cyst TGLS = 2-8 ]	
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Testes	Interstit Cell	Adenoma	
		[ Adenoma TGLS = 3-6 ]	
* Thymus		Atrophy	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 76

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 652

**DOSE:** 100 MG/KG

**DISP:** Natural Death

**HISTO:** 9500076

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

**MISSING**

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Thymus			

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum		Ulcer	Moderate
* Kidney		Nephropathy	Marked
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 1-3 ]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 77      **TRT#:** 3      **SEX:** Male      **DAY ON TEST:** 728  
**DOSE:** 100 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500077

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Testes	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Angiectasis	Marked
		Hyperplasia	Minimal
	[ Angiectasis TGLS = 4-11 ]		
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	[ Clear Cell Focus TGLS = 2,3-9+10 ]		
	[ Eosinophilic Focus TGLS = 2,3-9+10 ]		
	[ Hepatocellular Adenoma TGLS = 1-4 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	[ Alveolar/Bronchiolar Carcinoma TGLS = 5-2 ]		
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Stomach, Glandular		Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 77

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500077

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 78

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500078

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Moderate
Note: heterotopic bone noted [ Adenoma TGLS = 4-10 ]			
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 3-3+9 ] [ Hepatocellular Carcinoma TGLS = 3-3+9 ]			
* Preputial Gland		Cyst	Moderate
[ Cyst TGLS = 2-8 ]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 1-3 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 79	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500079

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1,2-4+3 ]		
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 80

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500080

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Mixed Cell Focus	
[ Clear Cell Focus TGLS = 4-9 ]			
[ Eosinophilic Focus TGLS = 3-4 ]			
[ Hepatocellular Adenoma TGLS = 2-3 ]			
[ Mixed Cell Focus TGLS = 3-4 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-9 ]			
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 80

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500080

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 81

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500081

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	
	[ Hemangiosarcoma TGLS = 1-3 ]		
	[ Hepatocellular Adenoma TGLS = 2-4 ]		
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 82                      **TRT#:** 3                      **SEX:** Male                      **DAY ON TEST:** 711  
**DOSE:** 100 MG/KG                      **DISP:** Natural Death                      **HISTO:** 9500082

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Eosinophilic Focus TGLS = 4-10 ]		
	[ Hepatocellular Adenoma TGLS = 3,5-9+11 ]		
	[ Hepatocellular Carcinoma TGLS = 1-12 ]		
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**                      - Liver    Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 83                      **TRT#:** 3                      **SEX:** Male                      **DAY ON TEST:** 727  
**DOSE:** 100 MG/KG                      **DISP:** Terminal Sacrifice                      **HISTO:** 9500083

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
* Preputial Gland		Cyst	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 83

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500083

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 84

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500084

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Carcinoma TGLS = 1-2+4 ]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 85

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 356

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500085

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Heart		Degeneration	Mild
	Coron Artery	Thrombosis	Moderate
* Kidney		Nephropathy	Marked
[ Nephropathy TGLS = 3-3 ]			
* Liver		Basophilic Focus	
[ Basophilic Focus TGLS = 2-3 ]			
* Salivary Glands		Inflammation	Mild
* Skin	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Testes		Atrophy	Mild
* Thymus		Atrophy	Marked

**PRIMARY CAUSE OF DEATH** - Kidney Nephropathy

Animal Note: Thoracic fluid related to renal protein loss/uremia.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 86

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 304

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500086

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
* Gallbladder	* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 2-1 ]		
* Bone Marrow		Lymphoma Malignant
* Brain		Lymphoma Malignant
* Epididymis		Lymphoma Malignant
* Heart		Lymphoma Malignant
* Intestine Large, Cecum		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 2-1 ]		
* Intestine Large, Colon		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 2-1 ]		
* Intestine Small, Duodenum		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 2-1 ]		
* Intestine Small, Jejunum		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 2-1 ]		
* Kidney		Lymphoma Malignant
* Liver		Lymphoma Malignant
* Lung		Lymphoma Malignant
Lymph Node	Lumbar	Lymphoma Malignant
	Mediastinal	Lymphoma Malignant
[ Lymphoma Malignant TGLS = 5-9 ]		
[ Lymphoma Malignant TGLS = 3-7 ]		
* Lymph Node, Mandibular		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 2-1 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 86	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 304
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9500086

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Lymph Node, Mesenteric [ Lymphoma Malignant TGLS = 6-4 ]	Lymphoma Malignant
* Nose [ Lymphoma Malignant TGLS = 4-7 ]	Lymphoma Malignant
* Pancreas [ Lymphoma Malignant TGLS = 3-7 ]	Lymphoma Malignant
* Pituitary Gland [ Lymphoma Malignant TGLS = 3-7 ]	Lymphoma Malignant
* Prostate [ Lymphoma Malignant TGLS = 3-7 ]	Lymphoma Malignant
* Seminal Vesicle [ Lymphoma Malignant TGLS = 3-7 ]	Lymphoma Malignant
* Spleen [ Lymphoma Malignant TGLS = 1-3 ]	Lymphoma Malignant
* Stomach, Glandular Note: Forestomach normal on slide; nodule cut away at microtomy. Lesion may have been focal ulcer or focus of lymphoma infiltration. [ Lymphoma Malignant TGLS = 2-1 ]	Lymphoma Malignant
* Testes [ Lymphoma Malignant TGLS = 1-3 ]	Lymphoma Malignant
* Thymus [ Lymphoma Malignant TGLS = 4-7 ]	Lymphoma Malignant
* Urinary Bladder [ Lymphoma Malignant TGLS = 4-7 ]	Lymphoma Malignant

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**PRIMARY CAUSE OF DEATH** - Seminal Vesicle Lymphoma Malignant

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 87	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500087

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 88                      **TRT#:** 3                      **SEX:** Male                      **DAY ON TEST:** 653  
**DOSE:** 100 MG/KG                      **DISP:** Moribund Sacrifice                      **HISTO:** 9500088

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Kidney [ Nephropathy TGLS = 2-3 ]		Nephropathy	Mild
* Liver [ Eosinophilic Focus TGLS = 5-9 ] [ Hepatocellular Adenoma TGLS = 4-3 ]		Eosinophilic Focus Hepatocellular Adenoma	Multiple
* Lung [ Alveolar/Bronchiolar Carcinoma TGLS = 3-2 ]		Alveolar/Bronchiolar Carcinoma	Multiple
* Preputial Gland [ Cyst TGLS = 1-8 ]		Cyst	Moderate
* Skin	SOA Epidermis, SOA SOA, Sebaceous GI	Hyperkeratosis Hyperplasia Hyperplasia	Minimal Marked Moderate
* Thymus		Atrophy	Marked

**PRIMARY CAUSE OF DEATH**                      - Lung    Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 89

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 645

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500089

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Nose	* Pituitary Gland	* Prostate	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Mild
		Necrosis	Moderate
* Bone Marrow		Hyperplasia	Moderate
Ductus Deferens		Lymphoma Malignant	
* Heart		Degeneration	Minimal
* Intestine Small, Jejunum		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 7-9 ]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
[ Hepatocellular Adenoma TGLS = 8-10 ]			
[ Lymphoma Malignant TGLS = 1-3+4 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant	
[ Alveolar/Bronchiolar Adenoma TGLS = 9-13 ]			
[ Lymphoma Malignant TGLS = 9-13 ]			
Lymph Node	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 89

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 645

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500089

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Lymphoma Malignant TGLS = 5-9 ]			
[ Lymphoma Malignant TGLS = 4-10 ]			
[ Lymphoma Malignant TGLS = 3-11 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 10-1 ]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-12 ]			
* Pancreas		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-11 ]			
* Preputial Gland		Cyst	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Parakeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-9 ]			
* Thymus		Atrophy	Marked

**PRIMARY CAUSE OF DEATH** - Lymph Node, Mesenteric Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 90      **TRT#:** 3      **SEX:** Male      **DAY ON TEST:** 729  
**DOSE:** 100 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500090

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
		[ Eosinophilic Focus TGLS = 1,2-3+9 ]	
		[ Hepatocellular Adenoma TGLS = 1,2-3+9 ]	
		[ Mixed Cell Focus TGLS = 1-9 ]	
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
* Pituitary Gland		Cyst	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Minimal
	SOA	Parakeratosis	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 90

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500090

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 91

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500091

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Lymphoma Malignant	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Minimal
		Lymphoma Malignant	
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Necrosis	Mild
	[ Eosinophilic Focus TGLS = 4,5,8-3+9+9+10 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 6-10 ]		
Lymph Node	Bronchial	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 7-10 ]		
	[ Lymphoma Malignant TGLS = 2-9 ]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 3-11 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500091

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Mesentery [ Lymphoma Malignant TGLS = 7-10 ]		Lymphoma Malignant	
* Pancreas [ Lymphoma Malignant TGLS = 7-10 ]		Lymphoma Malignant	
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Minimal
	SOA	Inflammation	Minimal
	SOA	Parakeratosis	Minimal
* Spleen [ Hematopoietic Cell Proliferation TGLS = 1-3 ]		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 92

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500092

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Mild
Eye	Cornea	Inflammation	Minimal
[ Inflammation TGLS = 2-9 ]			
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 3-9 ]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 5,7,8-4+10 ]			
[ Hepatocellular Carcinoma TGLS = 6-11 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Pigmentation	Hemosiderin, Mild
* Preputial Gland		Cyst	Moderate
[ Cyst TGLS = 1-8 ]			
* Skin	Lymphatic	Angiectasis	Marked
	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 92

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500092

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Angiectasis TGLS = 4-10 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 93

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500093

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
Eye	Cornea	Inflammation	Mild
[ Inflammation TGLS = 1-9 ]			
Harderian Gland	Bilateral	Carcinoma	
[ Carcinoma TGLS = 2-9 ]			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Eosinophilic Focus TGLS = 6,7-11+11REE ]			
[ Hepatocellular Adenoma TGLS = 4,5-3+10 ]			
* Lymph Node, Mandibular		Hematopoietic Cell Proliferation	Mild
* Preputial Gland		Cyst	Moderate
[ Cyst TGLS = 3-8 ]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 93	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 728
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500093

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 94

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500094

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	[ Clear Cell Focus TGLS = 1-3 ]		
	[ Eosinophilic Focus TGLS = 1-3 ]		
	[ Hepatocellular Adenoma TGLS = 1-3 ]		
* Pituitary Gland		Cyst	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 95	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 692
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9500095

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland	* Thymus
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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
* Brain	Neuron	Necrosis	Minimal
* Islets, Pancreatic		Adenoma	
Note: Secreting B-cells resulting in hypoglycemia, which caused neuronal necrosis in cerebrum, which may have been proximate cause of death.			
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
[ Hepatocellular Carcinoma TGLS = 2,3,4-2+9+3 ]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Preputial Gland		Cyst	Moderate
[ Cyst TGLS = 1-8 ]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH	- Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Islets;Pancreatic Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 96

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500096

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[ Eosinophilic Focus TGLS = 2-9 ]		
	[ Hepatocellular Carcinoma TGLS = 1-9 ]		
	[ Mixed Cell Focus TGLS = 2-9 ]		
* Preputial Gland		Cyst	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes		Atrophy	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 97	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500097

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

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**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Mixed Cell Focus	
[ Mixed Cell Focus TGLS = 2,3-3+4 ]			
* Preputial Gland		Cyst	Mild
[ Cyst TGLS = 1-8 ]			
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 98

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500098

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland                      \* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Heart	Artery	Inflammation	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		[ Eosinophilic Focus TGLS = 5,6-3+4 ]	
		[ Hepatocellular Adenoma TGLS = 2,3-9 ]	
* Lung		Alveolar/Bronchiolar Adenoma	
		[ Alveolar/Bronchiolar Adenoma TGLS = 4-2 ]	
* Lymph Node, Mesenteric		Angiectasis	Moderate
Note: with large thrombus			
* Preputial Gland		Cyst	Mild
		[ Cyst TGLS = 1-8 ]	
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth		Inflammation	Mild

PRIMARY CAUSE OF DEATH                      -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 98

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500098

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 99

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 617

**DOSE:** 100 MG/KG

**DISP:** Natural Death

**HISTO:** 9500099

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Mild
[ Hepatocellular Adenoma TGLS = 3,4-4+9 ]			
[ Hepatocellular Carcinoma TGLS = 2-3 ]			
* Pancreas		Atrophy	Moderate
	Duct	Cyst	Marked
[ Cyst TGLS = 1-9 ]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 100

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500100

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Pituitary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Eosinophilic Focus TGLS = 4-4 ]		
	[ Hepatocellular Adenoma TGLS = 2,5-2+3 ]		
	[ Hepatocellular Carcinoma TGLS = 3-9 ]		
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 101

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500101

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Eosinophilic Focus TGLS = 7-10 ]		
	[ Hepatocellular Adenoma TGLS = 1,2,3,4,6-9+3+10+10+9 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 5-2 ]		
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 102

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500102

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Minimal
	[ Adenoma TGLS = 4-3 ]		
* Liver		Hemangiosarcoma	Multiple
		Hepatocellular Adenoma	Multiple
	[ Hemangiosarcoma TGLS = 5,7-3+4 ]		
	[ Hepatocellular Adenoma TGLS = 6,8,9,13,14-10+9+2+9+10 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	[ Alveolar/Bronchiolar Carcinoma TGLS = 10,11-2 ]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 12-7 ]		
* Preputial Gland		Cyst	Moderate
	[ Cyst TGLS = 2-8 ]		
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Ulcer	Marked
	[ Ulcer TGLS = 1-9 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 102	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 728
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500102

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen [ Hematopoietic Cell Proliferation TGLS = 3-3 ]		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 103

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500103

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adren Cortex			
Note: only 1 adrenal on slide			
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Cyst	Minimal
		Nephropathy	Mild
		Pigmentation	Hemosiderin, Moderate
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
[ Eosinophilic Focus TGLS = 4-4 ]			
[ Hepatoblastoma TGLS = 4-4 ]			
* Lung		Hepatoblastoma	Metastatic (Pancreas)
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Minimal
Mesentery		Hepatoblastoma	Metastatic (Pancreas)
Note: Large blood-filled necrotic mass, with pancreas carcinoma attached to spleen, is interpreted to be recannulated mesenteric vessel in area of metastatic invasion			
* Pancreas		Hepatoblastoma	Metastatic (Pancreas)
[ Hepatoblastoma TGLS = 3-9 ]			
Skeletal Muscle		Hepatoblastoma	Metastatic (Pancreas)
[ Hepatoblastoma TGLS = 2-9 ]			
* Skin	Epidermis, SOA	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 103	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 728
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500103

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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	SOA, Sebaceous GI	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Atrophy	Marked

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 104

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500104

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Minimal
[ Adenoma TGLS = 2-9 ]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Eosinophilic Focus TGLS = 4-2+9 ]			
[ Hepatocellular Adenoma TGLS = 1,3,4-3+4+9 ]			
* Pancreas		Atrophy	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 105

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500105

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2,3,4,5-3+4+9 ]		
	[ Hepatocellular Carcinoma TGLS = 1-2 ]		
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 106      **TRT#:** 5      **SEX:** Male      **DAY ON TEST:** 729  
**DOSE:** 200 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500106

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Parathyroid Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 1,2,3,4,5,6-9+3+4+4+2+9 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 107      **TRT#:** 5      **SEX:** Male      **DAY ON TEST:** 713  
**DOSE:** 200 MG/KG      **DISP:** Moribund Sacrifice      **HISTO:** 9500107

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Hemosiderin, Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	[ Hepatoblastoma TGLS = 1,4-9+3 ]		
	[ Hepatocellular Adenoma TGLS = 2,3-2+4 ]		
* Lung		Hepatoblastoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Cyst	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH** - Liver Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 108

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500108

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	Skeletal Muscle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adren Cortex			
Note: second adrenal (slide 7) is flattened due to renal tumor			
* Kidney	Renal Tubule	Carcinoma Nephropathy	Minimal
	[ Carcinoma TGLS = 5-3 ]		
* Liver		Hepatoblastoma Hepatocellular Adenoma	Multiple
	[ Hepatoblastoma TGLS = 3-3 ]		
	[ Hepatocellular Adenoma TGLS = 2,3,4-4+3+9 ]		
* Preputial Gland		Cyst	Moderate
	[ Cyst TGLS = 1-8 ]		
* Skin	Epidermis, SOA SOA, Sebaceous GI	Hyperplasia Hyperplasia	Moderate Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 109      **TRT#:** 5      **SEX:** Male      **DAY ON TEST:** 729  
**DOSE:** 200 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500109

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Eosinophilic Focus TGLS = 5-9 ]		
	[ Hepatoblastoma TGLS = 2-2+4 ]		
	[ Hepatocellular Adenoma TGLS = 3,4-3+9 ]		
	[ Hepatocellular Carcinoma TGLS = 2-2+4 ]		
* Lung		Hepatoblastoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 110

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500110

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Eosinophilic Focus TGLS = 4-4 ]		
	[ Hepatocellular Adenoma TGLS = 1,3-2+3 ]		
	[ Hepatocellular Carcinoma TGLS = 2-9 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-04

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/22/2014

Time Report Requested: 14:47:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 9500111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

\* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[ Eosinophilic Focus TGLS = 6,7,8-9 ]		
	[ Hepatocellular Adenoma TGLS = 1,4,5-2+3+9 ]		
	[ Hepatocellular Carcinoma TGLS = 2,3-4 ]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 112

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500112

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Liver	Hepatoblastoma	
	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	
[ Hepatoblastoma TGLS = 3-3 ]		
[ Hepatocellular Adenoma TGLS = 4-9 ]		
[ Hepatocellular Carcinoma TGLS = 2-4 ]		
* Lung	Hepatoblastoma	Metastatic (Liver)
* Preputial Gland	Cyst	Moderate
[ Cyst TGLS = 1-8 ]		
* Skin	Epidermis, SOA	Mild
	SOA, Sebaceous GI	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 113

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500113

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Lymph Node, Mandibular	* Parathyroid Gland	* Pituitary Gland
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2,3,4,5,6-4+2+3+3+9 ]			
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Angiectasis	Mild
* Testes	Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-6 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-04  
Test Type: CHRONIC  
Route: SKIN APPLICATION  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/22/2014  
Time Report Requested: 14:47:05  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 9500114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
			[ Hepatoblastoma TGLS = 2,4,5,6-4+3+9+2 ]
			[ Hepatocellular Adenoma TGLS = 2,4,5,6-4+3+9+2 ]
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
			[ Alveolar/Bronchiolar Adenoma TGLS = 1-2 ]
			[ Alveolar/Bronchiolar Carcinoma TGLS = 1-2 ]
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 115

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500115

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		[ Hepatocellular Adenoma TGLS = 2,3,4,6-10+4+10+2 ]	
		[ Hepatocellular Carcinoma TGLS = 1-9 ]	
Mesentery	Fat	Necrosis	Moderate
		[ Necrosis TGLS = 5-9 ]	
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 117

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500117

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia Hypertrophy	Minimal Mild
* Intestine Small, Jejunum		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-10 ]			
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus Hepatocellular Adenoma Lymphoma Malignant	Multiple
[ Eosinophilic Focus TGLS = 2,3,7-2+3+9 ]			
[ Hepatocellular Adenoma TGLS = 2,3,4,7,8-2+3+4+9 ]			
[ Lymphoma Malignant TGLS = 2,3,4,7,8-2+3+4+9 ]			
* Lung		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2,3,4,7,8-2+3+4+9 ]			
Lymph Node	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 5-10 ]			
* Prostate		Lymphoma Malignant	
* Skin	Epidermis, SOA SOA, Sebaceous GI	Hyperplasia Hyperplasia	Mild Mild
* Spleen		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 117	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 727
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500117

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Lymphoma Malignant TGLS = 1-3 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 118

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 630

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500118

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
Eye	Cornea	Inflammation	Marked
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 1-10 ]			
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 3,4,5-3+9+4 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 6-10 ]			
* Pituitary Gland	Pars Intermed	Hyperplasia	Marked
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Moderate
	SOA	Ulcer	Marked
[ Ulcer TGLS = 2-9 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 118	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 630
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9500118

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thymus	Atrophy	Mild
<b>PRIMARY CAUSE OF DEATH</b>	- Harderian Gland Carcinoma	

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 119

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 692

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500119

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

Harderian Gland [ Carcinoma TGLS = 4-11 ]		Carcinoma	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney [ Adenoma TGLS = 3-11 ]	Renal Tubule	Adenoma	
		Nephropathy	Mild
* Liver [ Hepatoblastoma TGLS = 1-10 ] [ Hepatocellular Carcinoma TGLS = 1-9+10 ]		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
* Preputial Gland [ Cyst TGLS = 2-8 ]		Cyst	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 119

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 692

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500119

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 120

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 667

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500120

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Mild
		Nephropathy	Minimal
[ Cyst TGLS = 5,6-3-11 ]			
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Necrosis	Minimal
[ Clear Cell Focus TGLS = 4,8-4+9 ]			
[ Eosinophilic Focus TGLS = 9-10 ]			
[ Hepatocellular Adenoma TGLS = 4,8-4+9 ]			
* Lung	Mediastinum	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	Multiple
[ Alveolar/Bronchiolar Carcinoma TGLS = 7-12 ]			
Penis		Congestion	Mild
[ Congestion TGLS = 1-9 ]			
* Skin	SOA	Hyperkeratosis	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 120

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 667

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500120

**ORGAN AND ACCOUNTABLE SITE STATUS**

Epidermis, SOA  
SOA, Sebaceous GI  
SOA

Hyperplasia  
Hyperplasia  
Ulcer  
Hematopoietic Cell Proliferation  
Atrophy

Moderate  
Mild  
Minimal  
Moderate  
Moderate

\* Spleen

\* Thymus

**PRIMARY CAUSE OF DEATH**

- Lung Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 121

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500121

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 2,3,4,5,6-9+9+4+10+9 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Marked
	[ Inflammation TGLS = 1-8 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Ulcer	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes		Mineralization	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 122

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 505

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500122

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

Harderian Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
Note: heterotopic bone present			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-9 ]			
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

**PRIMARY CAUSE OF DEATH**

- Lymph Node, Mesenteric Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 123

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500123

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1,2-9+3 ]		
* Nose		Inflammation	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-04

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/22/2014

Time Report Requested: 14:47:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 124

TRT#: 5

DOSE: 200 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 710

HISTO: 9500124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Carcinoma TGLS = 1-3+4+9+10 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 2-10 ]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 125

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 401

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500125

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
Note: infarcted median lobe/adenoma resulted in death [ Hepatocellular Adenoma TGLS = 1-9 ]			
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 126

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500126

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
Harderian Gland		Carcinoma	
	[ Carcinoma TGLS = 1-9 ]		
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Eosinophilic Focus TGLS = 2,3,4,5,6-10+4+10+9+3 ]		
	[ Hepatocellular Adenoma TGLS = 2,3,4,5,6-10+4+10+9+3 ]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 127

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 595

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500127

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Eosinophilic Focus TGLS = 3-9 ]		
	[ Hepatocellular Adenoma TGLS = 2,5-3+9 ]		
	[ Hepatocellular Carcinoma TGLS = 1-9 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 4-10 ]		
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thymus		Atrophy	Moderate

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 128

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500128

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

* Lymph Node, Mesenteric	* Mammary Gland
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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
[ Hepatocellular Adenoma TGLS = 1-3+9+10 ]			
[ Hepatocellular Carcinoma TGLS = 1-10 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 2-2 ]			
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-11 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 129

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500129

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
		Pigmentation	Hemosiderin, Moderate
* Liver		Hepatoblastoma	
[ Hepatoblastoma TGLS = 1-9+10+11 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 1-9+10+11 ]			
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 130

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500130

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Stomach, Forestomach
* Testes	* Trachea		

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Inflammation	Granulomatous, Moderate
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Mild

Note: Hyperplastic bile ducts often lined by eosinophilic-globule-containing mucus cells, and are in association with luminal eosinophilic crystals.

[ Hepatocellular Adenoma TGLS = 4-4 ]

* Lung		Inflammation	Granulomatous, Moderate
		Note: numerous eosinophilic crystals, and widespread mixed-cell inflammation, including multinucleated giant cells	
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Pancreas		Atrophy	Mild
	Duct	Cyst	Moderate
	Duct	Hyperplasia	Marked
		Inflammation	Granulomatous, Marked

Note: adenomatous inflammatory nodule, with proliferation of ducts associated with eosinophilic crystals

[ Hyperplasia TGLS = 3-4 ]

[ Inflammation TGLS = 3-4 ]

* Salivary Glands		Inflammation	Granulomatous, Mild
* Seminal Vesicle		Inflammation	Granulomatous, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 130	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 727
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500130

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Skin	SOA	Hyperkeratosis	Marked
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous Gl	Hyperplasia	Mild
	SOA	Inflammation	Mild
	SOA	Ulcer	Marked
[ Hyperkeratosis TGLS = 1-9 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 2-3 ]			
* Stomach, Glandular		Inflammation	Granulomatous, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Ureter		Inflammation	Granulomatous, Marked
* Urinary Bladder		Inflammation	Granulomatous, Marked

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 131      **TRT#:** 5      **SEX:** Male      **DAY ON TEST:** 727  
**DOSE:** 200 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500131

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

* Gallbladder	* Mammary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Eosinophilic Focus TGLS = 3,4,5-4+9+9 ]		
	[ Hepatocellular Adenoma TGLS = 1,2-2+4 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 132

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 597

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500132

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Bone [ Osteosarcoma TGLS = 3-9 ]	Vertebra	Osteosarcoma	
* Bone Marrow		Hyperplasia	Marked
* Kidney [ Adenoma TGLS = 2-3 ]	Renal Tubule	Adenoma	
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
* Pancreas		Atrophy	Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Parakeratosis	Minimal
* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Moderate

**PRIMARY CAUSE OF DEATH**

- Bone Vertebra Osteosarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 14:47:05

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 133

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500133

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[ Clear Cell Focus TGLS = 2,5-4+2 ]		
	[ Eosinophilic Focus TGLS = 3,6-9+9 ]		
	[ Hepatocellular Adenoma TGLS = 2,5-4+2 ]		
	[ Mixed Cell Focus TGLS = 3,4,7-9+4+9 ]		
* Preputial Gland		Cyst	Moderate
	[ Cyst TGLS = 1-8 ]		
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 134      **TRT#:** 5      **SEX:** Male      **DAY ON TEST:** 727  
**DOSE:** 200 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500134

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Nephropathy	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Mixed Cell Focus	
[ Hepatoblastoma TGLS = 1-3 ]			
[ Hepatocellular Adenoma TGLS = 2,4-9 ]			
[ Hepatocellular Carcinoma TGLS = 3-4 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 135      **TRT#:** 5      **SEX:** Male      **DAY ON TEST:** 728  
**DOSE:** 200 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500135

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[ Eosinophilic Focus TGLS = 2-9 ]		
	[ Hepatocellular Adenoma TGLS = 3-9 ]		
	[ Hepatocellular Carcinoma TGLS = 1-2+4 ]		
	[ Mixed Cell Focus TGLS = 2,5-3+9 ]		
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 136

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500136

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		[ Eosinophilic Focus TGLS = 3,6-9 ]	
		[ Hepatoblastoma TGLS = 1-4 ]	
		[ Hepatocellular Adenoma TGLS = 3,6-9 ]	
		[ Hepatocellular Carcinoma TGLS = 2,4,5-3+4+9 ]	
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hemangioma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 137

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500137

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 1,2,3,4-2+9+10 ]		
	[ Hepatocellular Carcinoma TGLS = 5-4 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 138

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500138

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Parathyroid Gland	* Thymus
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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Epididymis		Granuloma Sperm	Mild
* Kidney	Artery	Inflammation	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		[ Eosinophilic Focus TGLS = 3,4-10+9 ]	
		[ Hepatocellular Adenoma TGLS = 3,4-10+9 ]	
		[ Hepatocellular Carcinoma TGLS = 2-9 ]	
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Atrophy	Moderate
Mesentery	Artery	Inflammation	Moderate
* Preputial Gland		Cyst	Moderate
		[ Cyst TGLS = 1-8 ]	
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Parakeratosis	Minimal
	SOA	Ulcer	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 138

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500138

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Spleen

Hematopoietic Cell Proliferation

Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 139

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500139

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
	[ Adenoma TGLS = 1-3 ]		
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[ Eosinophilic Focus TGLS = 2,7-9+10 ]		
	[ Hepatocellular Adenoma TGLS = 3,4,5,6-3+3+4+9 ]		
	[ Mixed Cell Focus TGLS = 1-3 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 140

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500140

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Hemangioma	
		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 2,3-9+10 ]		
* Preputial Gland		Cyst	Moderate
	[ Cyst TGLS = 1-8 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 141

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 722

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500141

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
Harderian Gland	Bilateral	Carcinoma	
[ Carcinoma TGLS = 1-9 ]			
* Kidney	Renal Tubule	Hyperplasia	Mild
		Inflammation	Suppurative, Marked
		Nephropathy	Mild
[ Inflammation TGLS = 3-3 ]			
* Liver		Hepatocellular Carcinoma	Multiple
[ Hepatocellular Carcinoma TGLS = 2,4,5,6-2+9+10+10+3 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Angiectasis	Marked
		Atrophy	Marked
Note: Thromboses noted			
* Preputial Gland		Cyst	Moderate
* Prostate		Inflammation	Moderate
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Parakeratosis	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 141	<b>TRT#:</b> 5 <b>DOSE:</b> 200 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 722 <b>HISTO:</b> 9500141
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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	SOA	Ulcer	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Urinary Bladder		Inflammation	Minimal

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PRIMARY CAUSE OF DEATH	- Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Inflammation

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 142      **TRT#:** 5      **SEX:** Male      **DAY ON TEST:** 729  
**DOSE:** 200 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500142

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland      \* Thymus

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		[ Hepatocellular Adenoma TGLS = 2,3,4,6-4+9+3+2 ]	
		[ Hepatocellular Carcinoma TGLS = 5-9 ]	
* Pancreas		Hypertrophy	Focal, Minimal
* Preputial Gland		Cyst	Moderate
		[ Cyst TGLS = 1-8 ]	
* Skin	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 143

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500143

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Hypertrophy	Minimal
* Islets, Pancreatic	Hyperplasia	Mild
* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	Multiple

Note: Early carcinoma, with necrosis and dissection around bile ducts.

[ Clear Cell Focus TGLS = 2,4,5,6,7-3+4+9 ]

[ Eosinophilic Focus TGLS = 7-9 ]

[ Hepatocellular Adenoma TGLS = 2,4,5,6,7-3+4+9 ]

[ Hepatocellular Carcinoma TGLS = 1,3-4+9 ]

* Preputial Gland	Cyst	Moderate
* Skin	Epidermis, SOA	Mild
	SOA, Sebaceous GI	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 144

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500144

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Epididymis		Granuloma Sperm	Moderate
* Kidney	Renal Tubule	Carcinoma	
		Cyst	Minimal
		Nephropathy	Mild
	[ Carcinoma TGLS = 4-9 ]		
	[ Cyst TGLS = 5-3 ]		
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Eosinophilic Focus TGLS = 3-2+3+4+9 ]		
	[ Hepatocellular Adenoma TGLS = 3-2+3+4+9 ]		
* Preputial Gland		Cyst	Moderate
	[ Cyst TGLS = 1-8 ]		
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
		Melanoma Malignant	
	[ Melanoma Malignant TGLS = 2-9 ]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 144

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500144

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 145

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 662

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500145

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland                      \* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney	Renal Tubule	Adenoma	
		Cyst	Mild
		Nephropathy	Minimal
	[ Adenoma TGLS = 5-10 ]		
* Liver		Hepatocellular Adenoma	Multiple
	Note: Infarcted adenoma contributed to death.		
	[ Hepatocellular Adenoma TGLS = 2,3,4-3+4+9 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 3-9 ]		
* Preputial Gland		Cyst	Moderate
	[ Cyst TGLS = 1-8 ]		
* Skin	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**                      - Liver    Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 146

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 555

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500146

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
	[ Eosinophilic Focus TGLS = 4,5-9 ]		
	[ Hepatocellular Adenoma TGLS = 1-4 ]		
* Pancreas		Atrophy	Minimal
* Seminal Vesicle		Hemangiosarcoma	
	[ Hemangiosarcoma TGLS = 2-9 ]		
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Parakeratosis	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 147

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500147

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[ Hepatocellular Adenoma TGLS = 1,2,3,4-3+9+2+9 ]		
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 148

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500148

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	Metastatic (Spleen)
		Hepatocellular Adenoma	Multiple

[ Eosinophilic Focus TGLS = 1,3-2+3+4+9 ]

[ Hemangiosarcoma TGLS = 2-4 ]

[ Hepatocellular Adenoma TGLS = 1,3-2+3+4+9 ]

* Lung		Inflammation	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hemangiosarcoma	

[ Hemangiosarcoma TGLS = 4-3 ]

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 149

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500149

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Lung	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex [ Hypertrophy TGLS = 4-7 ]	Hypertrophy	Minimal
* Bone Marrow	Hyperplasia	Marked
* Intestine Small, Jejunum [ Lymphoma Malignant TGLS = 10-9 ]	Lymphoma Malignant	
* Islets, Pancreatic	Hyperplasia	Mild
* Kidney	Mast Cell Tumor Malignant	Metastatic (Skin)
	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
	Hematopoietic Cell Proliferation	Minimal
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	Multiple
	Mast Cell Tumor Malignant	Metastatic (Skin)
	Necrosis	Minimal
[ Eosinophilic Focus TGLS = 8-10 ]		
[ Hepatocellular Adenoma TGLS = 6,9-3+10 ]		
[ Hepatocellular Carcinoma TGLS = 5,7-4+10 ]		
[ Necrosis TGLS = 8-10 ]		
* Lymph Node, Mesenteric	Hematopoietic Cell Proliferation	Moderate
	Hyperplasia	Lymphoid, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 149	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500149

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 11-4 ]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous Gl	Hyperplasia	Mild
	SOA	Mast Cell Tumor Malignant	
	SOA	Parakeratosis	Minimal
Note: Mast cell tumor in skin confirmed with giemsa stain.			
[ Mast Cell Tumor Malignant TGLS = 1-9 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-3 ]			
* Testes		Atrophy	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 150      **TRT#:** 5      **SEX:** Male      **DAY ON TEST:** 692  
**DOSE:** 200 MG/KG      **DISP:** Moribund Sacrifice      **HISTO:** 9500150

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Lymph Node, Mesenteric	* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Heart	Atrium	Thrombosis	Marked
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		[ Eosinophilic Focus TGLS = 1,2,3,4,5-3+4+9 ]	
		[ Hepatocellular Adenoma TGLS = 1,2,3,4,5-3+4+9 ]	
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

**PRIMARY CAUSE OF DEATH**      - Heart Atrium Thrombosis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 151

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500151

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Eosinophilic Focus TGLS = 2-8 ]			
[ Hepatocellular Adenoma TGLS = 1,3-3+8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 152

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500152

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 3,4-3+8 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 1-2 ]			
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[ Hyperplasia TGLS = 2-7 ]			
* Skin	Control	Hyperkeratosis	Minimal
	SOA	Hyperkeratosis	Minimal
	Control, Epidermis	Hyperplasia	Marked
	Epidermis, SOA	Hyperplasia	Minimal
	Control	Parakeratosis	Minimal
	Control, Subcut Tiss	Sarcoma	
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 153

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500153

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 1-4 ]			
* Ovary		Cyst	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 154

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500154

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	Multiple
Note: Early hemangiosarc in median lobe (slide 2) plus in right lobe (slide 8, TGL 5). TGL 5 is mostly thrombosis of dilated vascular space. [ Hemangiosarcoma TGLS = 5-8 ]			
Lymph Node	Lumbar	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-8 ] [ Lymphoma Malignant TGLS = 3-9 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-6 ]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-6 ]			
* Ovary		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-8 ]			
* Pancreas		Hypertrophy	Focal, Minimal
		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-8 ]			
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-3 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 154

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 9500154

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thymus	Atrophy	Moderate
* Uterus	Hyperplasia	Marked
[ Hyperplasia TGLS = 1-6 ]		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 155	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 713
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9500155

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

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**OBSERVATIONS**

* Bone Marrow	Myelofibrosis	Mild
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 1-4 ]		
* Ovary	Cyst	Mild
* Stomach, Forestomach	Hyperplasia	Focal, Moderate

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**PRIMARY CAUSE OF DEATH** - UNCERTAIN

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 156

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500156

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea		

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
		Myelofibrosis	Minimal
* Intestine Small, Jejunum		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-1 ]			
* Kidney		Lymphoma Malignant	
* Liver		Eosinophilic Focus	
		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
Lymph Node	Lumbar	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-8 ]			
[ Lymphoma Malignant TGLS = 5-9 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-1 ]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 7-4 ]			
* Ovary		Cyst	Mild
* Pancreas	Duct	Cyst	Marked
[ Cyst TGLS = 2-8 ]		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 156

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500156

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Lymphoma Malignant TGLS = 1-3 ]	Lymphoma Malignant	
* Stomach, Forestomach	Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 8-4 ]		
* Thymus	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-7 ]		
* Urinary Bladder	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-7 ]		
* Uterus	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 157	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500157

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**OBSERVATIONS**

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thymus		Lymphoma Malignant	
* Uterus		Hyperplasia	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 158

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 568

**DOSE:** 0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500158

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 2-8 ]			
* Pancreas		Hypertrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH**

- Pituitary Gland Pars Distalis Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 159

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 687

**DOSE:** 0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500159

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Medulla [ Pheochromocytoma Benign TGLS = 3-8 ]		Pheochromocytoma Benign	
* Bone Marrow		Myelofibrosis	Mild
Mesentery [ Necrosis TGLS = 1-8 ]	Fat	Necrosis	Moderate
* Pituitary Gland		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus [ Hyperplasia TGLS = 2-6 ]		Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH** - Adrenal Medulla Pheochromocytoma Benign

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 160

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 9500160

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Hemosiderin, Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		[ Hepatocellular Adenoma TGLS = 1,2-8+9 ]	
		[ Hepatocellular Carcinoma TGLS = 3,4-8+3 ]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[ Adenoma TGLS = 5-7 ]	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 161

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 9500161

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Eosinophilic Focus TGLS = 1,2,4-8+3+3 ]			
[ Hepatocellular Adenoma TGLS = 1,2,4-8+3+3 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 162	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500162

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

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**MISSING**

\* Parathyroid Gland

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**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 1,2,4,5-8+8+4+3 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 3-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 163

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500163

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Lymphoma Malignant	
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
[ Eosinophilic Focus TGLS = 6-8 ]			
[ Hepatocellular Adenoma TGLS = 5-3 ]			
[ Lymphoma Malignant TGLS = 3-8 ]			
* Ovary		Cyst	Marked
[ Cyst TGLS = 2-6 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Mild
[ Hyperplasia TGLS = 1-6 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 164

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500164

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 1,2,3-4+8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 165

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 719

**DOSE:** 0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500165

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Thymus

**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Moderate
	Myelofibrosis	Minimal
* Intestine Small, Jejunum	Lymphoma Malignant	
	Ulcer	Marked
[ Lymphoma Malignant TGLS = 1-8 ]		
* Liver	Fibrosis	Mild
	Hepatocellular Adenoma	Multiple
	Lymphoma Malignant	
[ Fibrosis TGLS = 4-3 ]		
[ Hepatocellular Adenoma TGLS = 3,5-4+9 ]		
[ Lymphoma Malignant TGLS = 4-3 ]		
* Lymph Node, Mesenteric	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-8 ]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular	Erosion	Minimal
* Uterus	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH** - Intestine Small, Jejunum Ulcer  
**CONTRIBUTORY CAUSE OF DEATH** - Intestine Small;Jejunum Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 165

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 719

**DOSE:** 0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500165

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: Tissues interpreted to be early lymphoma of peyer's patch causing ulcer, which r esulted in death prior to full expression of lymphoma.

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 166

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500166

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
Note: Extreme vacuolization of z. reticularis or rejuvenated x-zone.			
* Bone Marrow		Myelofibrosis	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2,4-3+8 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
[ Adenoma TGLS = 1-7 ]			
* Stomach, Forestomach		Hyperplasia	Focal, Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Marked
[ Hyperplasia TGLS = 3-2 ]			
* Uterus		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 167

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 9500167

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
[ Eosinophilic Focus TGLS = 4-4 ]			
[ Hepatocellular Adenoma TGLS = 1,2,3,5-8+3+8+8 ]			
[ Mixed Cell Focus TGLS = 4-4 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 6-8 ]			
* Ovary		Cyst	Moderate
[ Cyst TGLS = 8-6 ]			
* Skin	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Urinary Bladder		Hemangioma	
* Uterus		Hyperplasia	Mild
[ Hyperplasia TGLS = 7-6 ]			

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 168

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500168

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Gallbladder

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Uterus		Hyperplasia	Marked

[ Hyperplasia TGLS = 1-6 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 169

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500169

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Liver [ Hepatocellular Adenoma TGLS = 3,4-2+3 ]		Hepatocellular Adenoma	Multiple
* Ovary [ Cyst TGLS = 2-6 ]		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA Epidermis, SOA	Hyperkeratosis Hyperplasia	Minimal Minimal
* Spleen [ Lymphoma Malignant TGLS = 1-3 ]		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 170

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500170

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 1,3,4-3+4+8 ]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 171

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500171

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Eosinophilic Focus TGLS = 5-4 ]			
[ Hepatocellular Adenoma TGLS = 1,2,3,5-3+8+8+2 ]			
* Ovary		Cystadenoma	
[ Cystadenoma TGLS = 5-4 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Marked
[ Hyperplasia TGLS = 4-6 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 172

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500172

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 1,2,3,4-2+4+9+9+3+8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 173

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 679  
**HISTO:** 9500173

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Thyroid Gland	* Trachea	

**MISSING**

\* Clitoral Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
		Myelofibrosis	Minimal
* Kidney		Hydronephrosis	Mild
		Mineralization	Mild
	[ Hydronephrosis TGLS = 2-3 ]		
* Liver		Hepatocellular Adenoma	
	[ Hepatocellular Adenoma TGLS = 3-8 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Epidermis, SOA	Hyperplasia	Marked
	SOA	Parakeratosis	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Marked
* Urinary Bladder		Inflammation	Minimal
* Uterus		Hyperplasia	Mild
		Leiomyosarcoma	
	[ Leiomyosarcoma TGLS = 1-8 ]		

**PRIMARY CAUSE OF DEATH**

- Uterus Leiomyosarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 174

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 664

**DOSE:** 0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500174

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Clitoral Gland	* Parathyroid Gland
------------------	---------------------

**OBSERVATIONS**

* Intestine Large, Rectum		Hemorrhage	Moderate
* Kidney		Accumulation, Hyaline Droplet	Moderate
[ Accumulation, Hyaline Droplet TGLS = 1-3 ]			
* Liver		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 5,6,7-3+4+3+8 ]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Ovary		Cystadenoma	
		Hemorrhage	Mild
[ Hemorrhage TGLS = 4-6 ]			
* Skin	Control	Edema	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 8-3 ]			
* Stomach, Glandular		Ulcer	Moderate
* Thymus		Atrophy	Marked
* Uterus		Hyperplasia	Mild
		Polyp Stromal	
[ Hyperplasia TGLS = 2-6 ]			
[ Polyp Stromal TGLS = 3-8 ]			

**PRIMARY CAUSE OF DEATH** - Liver Histiocytic Sarcoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 175

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500175

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular		Inflammation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Marked

[ Hyperplasia TGLS = 1-6 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 176

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500176

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 4,5,6-4+2+3 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 3-8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA	Inflammation	Minimal
	SOA	Parakeratosis	Mild
	SOA	Ulcer	Minimal
[ Hyperplasia TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Uterus		Hyperplasia	Marked
[ Hyperplasia TGLS = 2+6 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 177

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 9500177

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

**MISSING**

\* Intestine Small, Jejunum                      \* Thymus

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 3,4,5,6,7-3+3+3+8+2 ]		
Mesentery	Fat	Necrosis	Minimal
* Ovary		Cyst	Marked
		Cystadenoma	
	[ Cyst TGLS = 1-6 ]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 8-7 ]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Uterus		Hyperplasia	Marked
	[ Hyperplasia TGLS = 2-6 ]		

**PRIMARY CAUSE OF DEATH**                      -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 178

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500178

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 1,2,3,4-2+8+8+9+9 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thymus		Hyperplasia	Lymphoid, Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 179

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 9500179

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Lymph Node, Mesenteric

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 3,4,5-3+8 ]			
Mesentery	Fat	Inflammation	Moderate
* Ovary		Cyst	Marked
[ Cyst TGLS = 2-6 ]			
* Pancreas	Duct	Cyst	Marked
[ Cyst TGLS = 1-4 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 180

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 702  
**HISTO:** 9500180

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
		Myelofibrosis	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 4,5,6-8+9+3 ]			
[ Hepatocellular Carcinoma TGLS = 3-9 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-9 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Marked
[ Hyperplasia TGLS = 1-8 ]			

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 181

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 9500181

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Marked
		Eosinophilic Focus	
		Hepatocellular Adenoma	
[ Angiectasis TGLS = 2-3 ]			
[ Eosinophilic Focus TGLS = 4,5-8+9 ]			
[ Hepatocellular Adenoma TGLS = 3-9 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Marked
[ Hyperplasia TGLS = 1-8 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 182

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500182

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 1-8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Mild
[ Hyperplasia TGLS = 2-6 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 183

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9500183

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	

**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Mild
	Lymphoma Malignant	
* Heart	Mineralization	Minimal
* Kidney	Accumulation, Hyaline Droplet	Mild
	Lymphoma Malignant	
	Nephropathy	Minimal
* Liver	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4,5-3+4+8 ]		
* Lung	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4,5-3+4+8 ]		
* Lymph Node, Mandibular	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-1 ]		
* Lymph Node, Mesenteric	Lymphoma Malignant	
Mesentery	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4,5-3+4+8 ]		
* Ovary	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4,5-3+4+8 ]		
* Pancreas	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4,5-3+4+8 ]		
* Salivary Glands	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4,5-3+4+8 ]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 3-3 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 183

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 726  
**HISTO:** 9500183

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Stomach, Forestomach  
[ Lymphoma Malignant TGLS = 6-1 ]

Lymphoma Malignant

\* Thymus

Atrophy  
Lymphoma Malignant

Moderate

\* Urinary Bladder

Lymphoma Malignant

\* Uterus

Lymphoma Malignant

---

PRIMARY CAUSE OF DEATH

- Lymph Node, Mesenteric Lymphoma Malignant

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 184

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 9500184

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adren Cortex		
Note: only 1 adrenal on slide		
* Bone Marrow		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 6-1 ]		
* Gallbladder		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 6-1 ]		
* Kidney		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 6-1 ]		
* Liver		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 4-3+4 ]		
* Lung		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 4-3+4 ]		
Lymph Node	Bronchial	Lymphoma Malignant
	Lumbar	Lymphoma Malignant
	Mediastinal	Lymphoma Malignant
	Renal	Lymphoma Malignant
[ Lymphoma Malignant TGLS = 6-9 ]		
[ Lymphoma Malignant TGLS = 9-7 ]		
[ Lymphoma Malignant TGLS = 5-8 ]		
* Lymph Node, Mesenteric		Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 184	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500184

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Lymphoma Malignant TGLS = 7-4 ]			
* Pancreas		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-8 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Mild
[ Hyperplasia TGLS = 2-6 ]			

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 185

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500185

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Eosinophilic Focus TGLS = 2,3,4,5,6,7-4+4+3+3+8+8 ]		
	[ Hepatocellular Adenoma TGLS = 2,3,4,5,6,7-4+4+3+3+8+8 ]		
* Pancreas		Hypertrophy	Focal, Minimal
* Parathyroid Gland		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Uterus		Decidual Reaction	Moderate
		Hyperplasia	Moderate
	[ Hyperplasia TGLS = 1-6 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 186

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 479

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9500186

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

**MISSING**

* Lymph Node, Mandibular	* Parathyroid Gland
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**OBSERVATIONS**

* Ovary	Cyst	Marked
	Hemorrhage	Marked
[ Cyst TGLS = 3-8 ]		
[ Hemorrhage TGLS = 3-8 ]		
* Spleen	Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Urinary Bladder	Transit Epithe	Mild
* Uterus	Hyperplasia	Mild
[ Hyperplasia TGLS = 2-6 ]		

**PRIMARY CAUSE OF DEATH**

- Ovary Hemorrhage

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 187

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 429

**DOSE:** 0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500187

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

Eye	Cornea	Inflammation	Marked
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 1-8 ]			
* Liver		Necrosis	Minimal
* Lung		Carcinoma	Metastatic (Harderian Gland)
[ Carcinoma TGLS = 3,4,5-2 ]			
* Nose		Carcinoma	Metastatic (Harderian Gland)
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Hyperplasia	Mild
[ Hyperplasia TGLS = 2-6 ]			

**PRIMARY CAUSE OF DEATH**

- Harderian Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 188	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500188

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

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**MISSING**

\* Parathyroid Gland

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1,2-3+4 ]		
* Ovary		Luteoma	
	[ Luteoma TGLS = 1,2-3+4 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Adenoma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 189

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 506

**DOSE:** 0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500189

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Necrosis	Mild
[ Eosinophilic Focus TGLS = 3-4 ]			
* Ovary		Mineralization	Moderate
* Pituitary Gland	Pars Distalis	Carcinoma	
[ Carcinoma TGLS = 2-1+7 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked
[ Hyperplasia TGLS = 1-2 ]			

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 190

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 589  
**HISTO:** 9500190

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Mild
* Heart		Carcinoma	Metastatic (Thyroid Gland)
* Liver		Carcinoma	Metastatic (Thyroid Gland)
		Lymphoma Malignant	
* Lung		Carcinoma	Metastatic (Thyroid Gland)
Lymph Node	Mediastinal	Carcinoma	Metastatic (Thyroid Gland)
	Pancreatic	Carcinoma	Metastatic (Thyroid Gland)
* Lymph Node, Mandibular		Carcinoma	Metastatic (Thyroid Gland)
		Lymphoma Malignant	
		[ Carcinoma TGLS = 1-8 ]	
		[ Lymphoma Malignant TGLS = 1-8 ]	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Carcinoma	

**PRIMARY CAUSE OF DEATH** - Thyroid Gland C Cell Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 191

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500191

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 2,3-3+4 ]		
* Ovary		Cyst	Mild
	[ Cyst TGLS = 1-6 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Skin	Epidermis, SOA	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 192

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500192

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Lymph Node, Mesenteric

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 2-3 ]			
* Mammary Gland		Carcinoma	
[ Carcinoma TGLS = 3-8 ]			
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Moderate
		Thrombosis	Minimal
[ Hyperplasia TGLS = 1-6 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 193

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 701  
**HISTO:** 9500193

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-6 ]			
* Kidney		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-6 ]			
* Liver		Fibrosis	Mild
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Moderate
[ Hepatocellular Adenoma TGLS = 4,5,6,7-3+9 ]		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4,5,6,7-3+9 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-8 ]			
* Ovary		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 193	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 701
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9500193

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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	SOA	Inflammation	Mild
	SOA	Lymphoma Malignant	
	SOA	Parakeratosis	Mild
[ Parakeratosis TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-3 ]			
* Thymus		Atrophy	Moderate
* Uterus		Lymphoma Malignant	

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PRIMARY CAUSE OF DEATH - Liver Lymphoma Malignant

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 194

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 9500194

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Intestine Small, Jejunum [ Hyperplasia TGLS = 3-4 ]		Hyperplasia	Lymphoid, Marked
* Kidney		Nephropathy	Minimal
* Liver [ Hepatocellular Adenoma TGLS = 2-8 ]		Hepatocellular Adenoma	
Lymph Node	Inguinal	Fibrosarcoma	Metastatic (Skin)
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
Mesentery	Fat	Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Subcut Tiss	Fibrosarcoma	
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Minimal
[ Fibrosarcoma TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 195

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500195

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Pituitary Gland

**OBSERVATIONS**

* Lung		Alveolar/Bronchiolar Adenoma	Multiple
[ Alveolar/Bronchiolar Adenoma TGLS = 3-2 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Inflammation	Mild
* Uterus		Hyperplasia	Mild
[ Hyperplasia TGLS = 2-6 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 196

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 681

**DOSE:** 0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500196

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex	Adenoma	
* Kidney	Mineralization	Minimal
	Nephropathy	Minimal
* Liver	Hepatocellular Carcinoma	Multiple
[ Hepatocellular Carcinoma TGLS = 2-2+3+4+8 ]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric	Hematopoietic Cell Proliferation	Minimal
* Ovary	Cyst	Marked
[ Cyst TGLS = 1-6 ]		
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus	Atrophy	Moderate

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 197

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500197

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart	Artery	Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 1,2,3,4-3+4+2+8 ]			
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Uterus		Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 198

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500198

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

**OBSERVATIONS**

* Adren Cortex			
Note: only 1 adrenal on slide			
* Bone Marrow		Lymphoma Malignant	
		Myelofibrosis	Moderate
* Brain		Lymphoma Malignant	
* Intestine Large, Rectum		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 10-1 ]			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
[ Eosinophilic Focus TGLS = 7-3 ]			
[ Hepatocellular Adenoma TGLS = 6,8,9-2+4+9+9 ]			
[ Lymphoma Malignant TGLS = 7-3 ]			
* Lung		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6,8,9-2+4+9+9 ]			
Lymph Node	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 5-8 ]			
[ Lymphoma Malignant TGLS = 4-3+9 ]			
[ Lymphoma Malignant TGLS = 11-7 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 10-1 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 198      **TRT#:** 2      **SEX:** Female      **DAY ON TEST:** 729  
**DOSE:** 0 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500198

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Lymph Node, Mesenteric [ Lymphoma Malignant TGLS = 12-4 ]		Lymphoma Malignant	
Mesentery [ Necrosis TGLS = 2-8 ]	Fat	Necrosis	Moderate
* Nose		Lymphoma Malignant	
* Ovary [ Lymphoma Malignant TGLS = 2-8 ]		Lymphoma Malignant	
* Pancreas [ Lymphoma Malignant TGLS = 2-8 ]		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Lymphoma Malignant	
* Skin [ Melanoma Benign TGLS = 1-8 ]	Subcut Tiss	Melanoma Benign	
* Spleen [ Lymphoma Malignant TGLS = 3-3 ]		Hematopoietic Cell Proliferation Lymphoma Malignant	Moderate
* Thymus [ Lymphoma Malignant TGLS = 11-7 ]		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Hyperplasia Lymphoma Malignant	Mild

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 199

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500199

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Brain		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Hemangioma	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 200

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 617  
**HISTO:** 9500200

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

**MISSING**

\* Pituitary Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Marked
* Liver		Eosinophilic Focus	
Lymph Node	Mediastinal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-7 ]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 5-4 ]			
* Ovary		Cyst	Marked
[ Cyst TGLS = 1-6 ]			
* Pancreas		Atrophy	Minimal
		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-3 ]			
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Marked
[ Hyperplasia TGLS = 2-6 ]			

**PRIMARY CAUSE OF DEATH** - Lymph Node, Mesenteric Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 201

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500201

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
Eye		Degeneration	Marked
[ Degeneration TGLS = 1-8 ]			
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 2-8 ]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Eosinophilic Focus TGLS = 2-8 ]			
[ Hepatocellular Adenoma TGLS = 5,6,7,9-2+3+8+8 ]			
* Lung		Carcinoma	Metastatic (Harderian Gland)
[ Carcinoma TGLS = 8-2 ]			
* Nose	Nasolacrim Dct	Inflammation	Moderate
* Ovary		Cyst	Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 4-3 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Thrombosis	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 201

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500201

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Thrombosis TGLS = 3-6 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 202	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500202

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

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**MISSING**

\* Thymus

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**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1,2,3,4,5,7-2+2+3+8+8+8 ]		
* Ovary		Cyst	Mild
	[ Cyst TGLS = 6-6 ]		
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 203

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500203

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2,3,4-2+3+8 ]		
	[ Hepatocellular Carcinoma TGLS = 1-4 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-04  
Test Type: CHRONIC  
Route: SKIN APPLICATION  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/22/2014  
Time Report Requested: 14:47:06  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 204      TRT#: 4      SEX: Female      DAY ON TEST: 584  
DOSE: 100 MG/KG      DISP: Natural Death      HISTO: 9500204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Eosinophilic Focus TGLS = 3,4,5-3+8+8 ]		
	[ Hepatocellular Adenoma TGLS = 3,4,5-3+8+8 ]		
	[ Hepatocellular Carcinoma TGLS = 2-4 ]		
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 1-3 ]		
* Thymus		Lymphoma Malignant	
* Uterus		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: lymphoid infiltrates in most tissues

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 205

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500205

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 2,3,4,5,6,7-3+9+4+8+9+8 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
	[ Hyperplasia TGLS = 1-3 ]		
* Thymus		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

Animal Note: Excessive lymphoid infiltrates in several organs, including u. bladder, kidneys, sal. gland; suggestive of early lymphoma.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 206      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 730  
**DOSE:** 100 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500206

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1,2,3-8+8+4 ]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Parakeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 207

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 553

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500207

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Clitoral Gland	* Lymph Node, Mandibular
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**OBSERVATIONS**

* Liver		Clear Cell Focus	
		Inflammation	Suppurative, Mild
		Mixed Cell Focus	
		Necrosis	Mild
[ Clear Cell Focus TGLS = 2-2+3+4+8 ]			
[ Inflammation TGLS = 2-2+3+4+8 ]			
[ Mixed Cell Focus TGLS = 2-2+4+8 ]			
[ Necrosis TGLS = 2-2+3+4+8 ]			
* Lung		Inflammation	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Ulcer	Minimal
* Thymus		Atrophy	Moderate
* Uterus		Inflammation	Suppurative, Marked
[ Inflammation TGLS = 1-6 ]			

**PRIMARY CAUSE OF DEATH**

- Uterus Inflammation

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 208      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 616  
**DOSE:** 100 MG/KG      **DISP:** Moribund Sacrifice      **HISTO:** 9500208

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Brain		Carcinoma	Metastatic (Pituitary Gland)
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
		[ Eosinophilic Focus TGLS = 2,4,5-3+9+8 ]	
		[ Hepatocellular Adenoma TGLS = 2,4,5-3+9+8 ]	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Moderate
		[ Necrosis TGLS = 6-8 ]	
* Pancreas		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 6-8 ]	
* Pituitary Gland	Pars Distalis	Carcinoma	
		[ Carcinoma TGLS = 7-7 ]	
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 1-3 ]	
* Stomach, Forestomach		Hyperplasia	Focal, Mild
		[ Hyperplasia TGLS = 8-9 ]	
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 208

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 616

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500208

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Carcinoma

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 209

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500209

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Intestine Small, Jejunum [ Hyperplasia TGLS = 8-8 ]	Mucosa	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver [ Eosinophilic Focus TGLS = 3,4,5,6,7-4+3+8+9+9 ] [ Hepatocellular Adenoma TGLS = 3,4,5,6,7-4+3+8+9+9 ]		Eosinophilic Focus Hepatocellular Adenoma	Multiple
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA Epidermis, SOA SOA, Sebaceous GI	Hyperkeratosis Hyperplasia Hyperplasia	Minimal Marked Mild
* Spleen [ Hyperplasia TGLS = 1-3 ]	Lymph Follic	Hematopoietic Cell Proliferation Hyperplasia	Mild Moderate
* Thyroid Gland	Follicular Cel Follicular Cel	Adenoma Hyperplasia	Minimal
* Uterus [ Polyp Stromal TGLS = 2-6 ]		Hyperplasia Polyp Stromal	Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 210

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500210

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 3,4,6-9+8+8 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 5-2 ]		
* Ovary		Cyst	Moderate
	[ Cyst TGLS = 2-6 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Marked
	[ Hyperplasia TGLS = 1-6 ]		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 211

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500211

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Heart		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Eosinophilic Focus TGLS = 2-3 ]		
	[ Hepatocellular Adenoma TGLS = 3,4,5,6-8+4+2+8 ]		
* Ovary		Cyst	Mild
	[ Cyst TGLS = 1-6 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 212

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 618

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500212

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Salivary Glands
Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Eosinophilic Focus TGLS = 6-9 ]		
	[ Hepatocellular Adenoma TGLS = 4,5-8+9 ]		
	[ Hepatocellular Carcinoma TGLS = 3-2+4 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-8 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Uterus		Hyperplasia	Minimal
	[ Hyperplasia TGLS = 2-6 ]		

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 213

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 611

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500213

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Thymus

**OBSERVATIONS**

* Brain	Neuron	Necrosis	Minimal
* Intestine Small, Duodenum		Ulcer	Moderate
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 1-8 ]			
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

- Intestine Small, Duodenum Ulcer

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 214      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 680  
**DOSE:** 100 MG/KG      **DISP:** Moribund Sacrifice      **HISTO:** 9500214

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
		Myelofibrosis	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[ Eosinophilic Focus TGLS = 6-3 ]			
[ Hepatocellular Adenoma TGLS = 6-3 ]			
[ Hepatocellular Carcinoma TGLS = 4,5,6-10+8+3 ]			
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
[ Fibrous Histiocytoma TGLS = 1-9 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-3 ]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-6 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 214

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 680

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500214

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 3-6 ]

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PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 215

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500215

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Brain		Cyst Epithelial Inclusion	
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
[ Eosinophilic Focus TGLS = 6-4 ]			
[ Hepatocellular Adenoma TGLS = 2,3,4,5-2+3+8 ]			
[ Mixed Cell Focus TGLS = 7-8 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Marked
[ Hyperplasia TGLS = 1-3 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 216

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500216

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Clear Cell Focus TGLS = 1,2,3,5,6-4+2+8+8+8 ]		
	[ Hepatocellular Adenoma TGLS = 1,2,3,5,6-4+2+8+8+8 ]		
	[ Hepatocellular Carcinoma TGLS = 4-3 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 217

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500217

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 6-8 ]			
* Intestine Small, Jejunum		Carcinoma	
[ Carcinoma TGLS = 6-8 ]			
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 4,5,7-3+4+8 ]		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 3-2 ]			
* Ovary		Cyst	Marked
[ Cyst TGLS = 2-6 ]			
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 1-3 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 218

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500218

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea			

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
	[ Hepatocellular Adenoma TGLS = 5,6,7,8-8+3+8+2 ]		
	[ Hepatocellular Carcinoma TGLS = 4-8 ]		
	[ Lymphoma Malignant TGLS = 4-8 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 5,6,7,8-8+3+8+2 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-8 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Parakeratosis	Minimal
* Spleen		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 3-3 ]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Hyperplasia	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 218

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500218

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 2-6 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 219

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 678

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500219

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Clitoral G1			
Note: only 1 clitoral on slide			
* Kidney	Renal Tubule	Degeneration Pigmentation	Mild Hemoglobin, Mild
* Liver		Hepatocellular Adenoma Necrosis	Multiple Marked
Note: torsion of right lobe mass resulted in massive blood pooling, necrosis of liver, icterus [ Hepatocellular Adenoma TGLS = 2,3-3+8 ]			
* Nose		Inflammation	Minimal
* Ovary		Cyst	Marked
[ Cyst TGLS = 1-8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA Epidermis, SOA	Hyperkeratosis Hyperplasia	Minimal Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Adenoma  
**CONTRIBUTORY CAUSE OF DEATH** - Liver Necrosis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 219

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 678

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500219

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 220

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500220

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	Blood Vessel	* Brain	* Clitoral Gland
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Joint	Inflammation	Chronic, Marked
* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 1-3 ]			
* Pancreas		Hemangioma	
[ Hemangioma TGLS = 1-3 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 221      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 729  
**DOSE:** 100 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500221

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Clitoral GI			
Note: only 1 clitoral on slide			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[ Eosinophilic Focus TGLS = 2,4,5-3+4+8 ]			
[ Hepatocellular Adenoma TGLS = 3-3 ]			
[ Hepatocellular Carcinoma TGLS = 2,4,5-3+4+8 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Pancreas		Atrophy	Minimal
		Hypertrophy	Focal, Minimal
* Parathyroid Gland		Hyperplasia	Focal, Marked
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Minimal
[ Hyperplasia TGLS = 1-6 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 222

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500222

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Bone Marrow		Myelofibrosis	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 2,3,4-8+8+3 ]		
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Mild
	[ Hyperplasia TGLS = 1-6 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 223

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500223

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		[ Eosinophilic Focus TGLS = 1,2,3,4-3+2+4+8 ]	
		[ Hepatocellular Adenoma TGLS = 1,2,3,4-3+2+4+8 ]	
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 224

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500224

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adren Cortex			
Note: only 1 adrenal on slide			
* Bone		Osteomalacia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2,4-3+8 ]		
	[ Hepatocellular Carcinoma TGLS = 3-8 ]		
* Ovary		Granulosa Cell Tumor Malignant	
	[ Granulosa Cell Tumor Malignant TGLS = 1-6 ]		
* Uterus		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 225      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 729  
**DOSE:** 100 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500225

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[ Eosinophilic Focus TGLS = 3-2 ]			
[ Hepatocellular Adenoma TGLS = 4-8 ]			
[ Hepatocellular Carcinoma TGLS = 2-8 ]			
* Lymph Node, Mesenteric		Angiectasis	Minimal
* Ovary		Hemangioma	
[ Hemangioma TGLS = 1-6 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Inflammation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 226	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 649
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9500226

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

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**MISSING**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Adrenal Cortex	Capsule	Hyperplasia	Marked
* Brain	Neuron	Necrosis	Mild
* Clitoral GI			
Note: only 1 clitoral on slide			
* Islets, Pancreatic		Adenoma	
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2,3,4,5,6-3+8+4+8+9 ]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Adenoma	

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PRIMARY CAUSE OF DEATH

- Brain Neuron Necrosis

CONTRIBUTORY CAUSE OF DEATH

- Islets;Pancreatic Adenoma

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-04  
Test Type: CHRONIC  
Route: SKIN APPLICATION  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/22/2014  
Time Report Requested: 14:47:06  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 227

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 9500227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2,3,4-2+4+3+8 ]			
* Ovary		Cyst	Mild
[ Cyst TGLS = 1-6 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-7 ]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 228

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500228

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

**MISSING**

\* Thymus

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
		Myelofibrosis	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
[ Hepatocellular Carcinoma TGLS = 2-3+4 ]			
* Ovary		Cyst	Moderate
[ Cyst TGLS = 4-6 ]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	Subcut Tiss	Melanoma Benign	
	SOA	Parakeratosis	Minimal
[ Melanoma Benign TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Moderate
[ Hyperplasia TGLS = 3-3 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 229

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 691

**DOSE:** 100 MG/KG

**DISP:** Natural Death

**HISTO:** 9500229

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 3,4,5-4+3+8 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 3,4,5-4+3+8 ]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-3 ]			
* Uterus		Hyperplasia	Minimal
[ Hyperplasia TGLS = 1-6 ]			

**PRIMARY CAUSE OF DEATH** - Lung Alveolar/Bronchiolar Adenoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 230	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500230

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Adrenal Cortex		Hematopoietic Cell Proliferation	Mild
* Bone Marrow		Hyperplasia	Marked
		Myelofibrosis	Minimal
* Intestine Small, Duodenum		Polyp Adenomatous	
[ Polyp Adenomatous TGLS = 3-8 ]			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 6,7,8-2+2+8 ]		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 5-3 ]			
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Marked
[ Hyperplasia TGLS = 4-7 ]			
* Pancreas		Atrophy	Moderate
	Duct	Cyst	Moderate
[ Cyst TGLS = 2-4 ]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 230	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500230

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hematopoietic Cell Proliferation TGLS = 1-3 ]

* Stomach, Forestomach		Erosion	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 231

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 561

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500231

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Carcinoma	
[ Carcinoma TGLS = 1-9 ]			
* Esophagus		Inflammation	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2,3,4-3+8+4 ]			
* Ovary		Cyst	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

- Clitoral Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 232

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500232

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[ Hepatocellular Adenoma TGLS = 1,2,3,5-4+8 ]		
	[ Mixed Cell Focus TGLS = 4-3 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Accessory Spleen	
		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 233

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500233

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 1,2,3,5,6-2+4+3+8+8 ]		
	[ Hepatocellular Carcinoma TGLS = 4-8 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	Pars Intermed	Hyperplasia	Moderate
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 234

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 629

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500234

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Thymus

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Hepatoblastoma	Metastatic (Liver)
[ Hepatoblastoma TGLS = 4,5-3+8 ]			
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Mild
[ Hepatoblastoma TGLS = 7-11 ]			
[ Hepatocellular Adenoma TGLS = 6,8,15-9+11+3 ]			
[ Hepatocellular Carcinoma TGLS = 14-4 ]			
* Lung		Hepatoblastoma	Metastatic (Liver)
[ Hepatoblastoma TGLS = 9,10,11,13-2+9+10 ]			
Lymph Node	Mediastinal	Hepatoblastoma	Metastatic (Liver)
[ Hepatoblastoma TGLS = 12-10 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-9 ]			
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 234	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 629
	<b>DOSE:</b> 100 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9500234

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hematopoietic Cell Proliferation TGLS = 1-3 ]

* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH	- Liver Hepatoblastoma
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 235

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 644

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500235

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach
* Thyroid Gland	* Trachea		

**OBSERVATIONS**

* Adrenal Cortex		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-1 ]			
* Bone Marrow		Lymphoma Malignant	
* Brain		Lymphoma Malignant	
* Clitoral Gland		Lymphoma Malignant	
* Gallbladder		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
		Mineralization	Minimal
* Kidney		Hydronephrosis	Mild
		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 7-3 ]			
* Liver		Fibrosis	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Lymphoma Malignant	
		Necrosis	Mild
[ Hepatocellular Adenoma TGLS = 10-3+4+9+10 ]			
[ Lymphoma Malignant TGLS = 10-3+4+9+10 ]			
* Lung		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 10-3+4+9+10 ]			
Lymph Node	Axillary	Lymphoma Malignant	
	Deep Cervical	Lymphoma Malignant	
	Inguinal	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 235      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 644  
**DOSE:** 100 MG/KG      **DISP:** Moribund Sacrifice      **HISTO:** 9500235

**ORGAN AND ACCOUNTABLE SITE STATUS**

	Mediastinal	Lymphoma Malignant	
	Thoracic	Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 3-9 ]		
	[ Lymphoma Malignant TGLS = 1-8 ]		
	[ Lymphoma Malignant TGLS = 8-10 ]		
* Lymph Node, Mandibular		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 2-1 ]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 9-11 ]		
* Ovary		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	Control	Lymphoma Malignant	
	SOA	Parakeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
	[ Hematopoietic Cell Proliferation TGLS = 4-8 ]		
	[ Lymphoma Malignant TGLS = 4-8 ]		
* Stomach, Glandular		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 2-1 ]		
* Thymus		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 4-8 ]		
* Urinary Bladder		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 5-8 ]		
* Uterus		Hyperplasia	Minimal
		Lymphoma Malignant	
	[ Hyperplasia TGLS = 6-6 ]		
	[ Lymphoma Malignant TGLS = 6-6 ]		

**PRIMARY CAUSE OF DEATH**      - Lymph Node, Mesenteric      Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 236

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500236

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Histiocytic Sarcoma	
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Mild
	[ Hepatocellular Adenoma TGLS = 5,7,8-8+4+8 ]		
	[ Hepatocellular Carcinoma TGLS = 4-3 ]		
	[ Necrosis TGLS = 6-2 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 3-3 ]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Moderate
	[ Hyperplasia TGLS = 2-6 ]		
Vagina		Histiocytic Sarcoma	
	[ Histiocytic Sarcoma TGLS = 1-8 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 237

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500237

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 2,3-4+3 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Tooth		Inflammation	Mild
* Uterus		Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-6 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 238

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500238

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Gallbladder

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2-2+3+4 ]		
	[ Hepatocellular Carcinoma TGLS = 2-8 ]		
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Intermed	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
	[ Adenoma TGLS = 3-7 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 239

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500239

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
		Myelofibrosis	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
[ Eosinophilic Focus TGLS = 2,3,4-8+2+3 ]			
[ Hepatocellular Adenoma TGLS = 2,3,4-8+2+3 ]			
[ Mixed Cell Focus TGLS = 2,3,4-8+2+3 ]			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Mild
[ Hyperplasia TGLS = 1-6 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 240

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500240

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
[ Hepatocellular Carcinoma TGLS = 1-2+3+4+8 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 3-3 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 241

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500241

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Bone Marrow			
Note: lymphoid nodules in marrow, may be early lymphoma			
* Kidney		Nephropathy	Minimal
Note: excessive lymphoid infiltrates in kidney noted			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
[ Hepatocellular Adenoma TGLS = 1,2,3,4,5-3+4+8+8+8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Minimal
* Spleen	Lymph Follic	Hyperplasia	Marked
[ Hyperplasia TGLS = 6-3 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 242

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500242

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Thymus

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Eosinophilic Focus TGLS = 4-8 ]		
	[ Hepatocellular Adenoma TGLS = 2,5,6-2+8+8 ]		
	[ Hepatocellular Carcinoma TGLS = 3-4 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Uterus		Hyperplasia	Mild
	[ Hyperplasia TGLS = 1-6 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 243

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 567

**DOSE:** 100 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500243

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

Eye		Carcinoma	Metastatic (Harderian Gland)
[ Carcinoma TGLS = 1-9 ]			
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 7-9 ]			
* Liver		Carcinoma	Metastatic (Harderian Gland)
		Hepatocellular Adenoma	Multiple
[ Carcinoma TGLS = 2-4 ]			
[ Hepatocellular Adenoma TGLS = 8-3 ]			
* Lung		Carcinoma	Metastatic (Harderian Gland)
[ Carcinoma TGLS = 3,4,5-2+10+8 ]			
* Nose		Carcinoma	Metastatic (Harderian Gland)
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH** - Harderian Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 244

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500244

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		[ Angiectasis TGLS = 3-8 ]	
		[ Eosinophilic Focus TGLS = 3-8 ]	
		[ Hepatocellular Adenoma TGLS = 1-3 ]	
		[ Hepatocellular Carcinoma TGLS = 2-8 ]	
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Hyperplasia	Focal, Mild
		Squamous Cell Papilloma	
		[ Hyperplasia TGLS = 4-4 ]	
		[ Squamous Cell Papilloma TGLS = 4-4 ]	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 244

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500244

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 245      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 729  
**DOSE:** 100 MG/KG      **DISP:** Natural Death      **HISTO:** 9500245

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland      \* Thymus

**OBSERVATIONS**

* Bone Marrow		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 4-4 ]			
* Kidney		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 4-4 ]			
* Liver		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 2-2+3+4+8 ]			
* Lung		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 2-2+3+4+8 ]			
Lymph Node	Bronchial	Histiocytic Sarcoma	
	Mediastinal	Histiocytic Sarcoma	
* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
Mesentery	Fat	Necrosis	Minimal
* Ovary		Histiocytic Sarcoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 1-3 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**      - Lung      Histiocytic Sarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 245

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Natural Death

**HISTO:** 9500245

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 246

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500246

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 1,2,3,4,5,6-4+4+2+3+8+8 ]			
* Ovary		Angiectasis	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Minimal
* Uterus		Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 247

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500247

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Eosinophilic Focus TGLS = 6-8 ]		
	[ Hepatocellular Adenoma TGLS = 3,4-3+4 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Inflammation	Mild
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2-2 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-8 ]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 5-7 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 247

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500247

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 248

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500248

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Gallbladder	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[ Eosinophilic Focus TGLS = 5-8 ]			
[ Hepatocellular Adenoma TGLS = 2,4-3+8 ]			
[ Hepatocellular Carcinoma TGLS = 3-4 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 249      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 473  
**DOSE:** 100 MG/KG      **DISP:** Natural Death      **HISTO:** 9500249

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
* Intestine Small, Jejunum		Leiomyosarcoma	
[ Leiomyosarcoma TGLS = 4-9 ]			
* Kidney		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
[ Leiomyosarcoma TGLS = 3-3 ]			
* Liver		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
[ Leiomyosarcoma TGLS = 2-2+3+4+8 ]			
* Lung	Mediastinum	Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
* Lymph Node, Mesenteric		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
Mesentery		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
* Pancreas		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
[ Leiomyosarcoma TGLS = 1-3 ]			
* Thymus		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)

**PRIMARY CAUSE OF DEATH**      - Intestine Small, Jejunum      Leiomyosarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 250      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 729  
**DOSE:** 100 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500250

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2,3,4,6-4+3+8+4 ]		
	[ Hepatocellular Carcinoma TGLS = 5-8 ]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Ovary		Angiectasis	Mild
		Cyst	Moderate
	Granulosa Cell	Hyperplasia	Moderate
	[ Cyst TGLS = 1-6 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked
* Uterus		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 251

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 98

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500251

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Ovary		Teratoma Malignant	
Note: Malignant granulosa cells plus cartilage and some neural tissue present. [ Teratoma Malignant TGLS = 1-6 ]			
* Skin	Epidermis, SOA SOA, Sebaceous GI	Hyperplasia Hyperplasia	Minimal Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

**PRIMARY CAUSE OF DEATH**

- Ovary Teratoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 252

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 552

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500252

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Necrosis	Minimal
	[ Hepatocellular Adenoma TGLS = 1-4+8 ]		
	[ Hepatocellular Carcinoma TGLS = 1-3+8 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 253

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500253

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

\* Nose

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Adenoma TGLS = 3,4,5-3+8 ]		
	[ Hepatocellular Carcinoma TGLS = 1,2-2+3+4 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 254

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500254

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2,3,4,5-2+3+3+8 ]		
	[ Hepatocellular Carcinoma TGLS = 1-4 ]		
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
* Stomach, Forestomach		Hyperplasia	Focal, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 255

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 366

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500255

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Salivary Glands	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[ Eosinophilic Focus TGLS = 4-8+9 ]		
	[ Hepatocellular Adenoma TGLS = 3-4 ]		
	[ Hepatocellular Carcinoma TGLS = 2-3 ]		
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus		Hyperplasia	Marked
	[ Hyperplasia TGLS = 1-6 ]		

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 256

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500256

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Eosinophilic Focus TGLS = 1-6 ]		
	[ Hepatocellular Adenoma TGLS = 1,2,3,4,5-8+8+8+4+2 ]		
* Ovary		Cyst	Marked
	[ Cyst TGLS = 6-6 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Minimal
	SOA	Parakeratosis	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 257

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500257

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Intestine Small, Jejunum		Inflammation	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 1,2,4,5-3+4+8 ]		
	[ Hepatocellular Carcinoma TGLS = 3-2 ]		
* Lymph Node, Mesenteric		Angiectasis	Mild
		Hematopoietic Cell Proliferation	Minimal
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 258

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 564

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500258

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

**MISSING**

\* Clitoral Gland

**OBSERVATIONS**

* Adrenal Cortex		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 3-4 ]		
* Bone Marrow		Lymphoma Malignant
* Brain		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 4-1 ]		
* Heart		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 4-1 ]		
* Kidney		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 4-1 ]		
* Liver		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 2-2+3+4 ]		
* Lung		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 2-2+3+4 ]		
Lymph Node	Mediastinal	Lymphoma Malignant
* Lymph Node, Mandibular		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 3-4 ]		
* Lymph Node, Mesenteric		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 3-4 ]		
Mesentery		Lymphoma Malignant
* Ovary		Lymphoma Malignant
* Pancreas		Lymphoma Malignant
* Salivary Glands		Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 258	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 564
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9500258

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Skin	SOA	Hyperkeratosis	Moderate
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Minimal
	Control	Lymphoma Malignant	
	SOA	Lymphoma Malignant	
	SOA	Parakeratosis	Mild
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-3 ]			
* Thymus		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-3 ]			
* Thyroid Gland		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-3 ]			
* Urinary Bladder		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-3 ]			
* Uterus		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-3 ]			

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**PRIMARY CAUSE OF DEATH** - Lymph Node, Mesenteric Lymphoma Malignant

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Animal Note: Animal is leukemic; all blood vessels, virtually all organs affected with lympho ma.

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 259

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 630

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500259

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

**MISSING**

\* Thymus

**OBSERVATIONS**

* Heart		Mineralization	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Necrosis	Mild
	[ Hepatocellular Adenoma TGLS = 2,3,4-4+3+8 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tongue		Squamous Cell Carcinoma	
	[ Squamous Cell Carcinoma TGLS = 5-8 ]		
* Uterus		Hyperplasia	Minimal
	[ Hyperplasia TGLS = 1-6 ]		

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 260

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 422

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500260

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 3-8 ]			
* Ovary		Teratoma Benign	
[ Teratoma Benign TGLS = 1-8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Hyperplasia	Marked
[ Hyperplasia TGLS = 2-6 ]			

**PRIMARY CAUSE OF DEATH**

- Ovary Teratoma Benign

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 261

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500261

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2,3,4-3+8+8 ]		
	[ Hepatocellular Carcinoma TGLS = 1-2+4 ]		
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 262

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 610

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500262

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Adenoma TGLS = 4,5-3 ]		
	[ Hepatocellular Carcinoma TGLS = 1,2,3-4+8+9 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Parakeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 263

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500263

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Eosinophilic Focus TGLS = 3-2 ]			
[ Hepatocellular Adenoma TGLS = 1,2,4,5-4+3+8+8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Minimal
	SOA	Parakeratosis	Minimal
	SOA	Ulcer	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 264

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 661

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500264

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Pituitary Gland	* Salivary Glands	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

* Parathyroid Gland	* Thymus
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**OBSERVATIONS**

* Brain	Neuron	Necrosis	Mild
* Clitoral Gland			
Note: only 1 clitoral on slide			
* Intestine Small, Duodenum		Erosion	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Necrosis	Minimal
[ Hepatocellular Adenoma TGLS = 1-2+9 ]			
[ Hepatocellular Carcinoma TGLS = 1-3+4+9 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Mesentery	Fat	Necrosis	Mild
* Nose		Inflammation	Minimal
* Ovary		Cyst	Marked
[ Cyst TGLS = 2-6 ]			
* Skin	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Erosion	Minimal
[ Erosion TGLS = 3-8 ]			
* Stomach, Glandular		Erosion	Minimal
[ Erosion TGLS = 4-8 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 264

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 661

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500264

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 265

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500265

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1,2,3-3+8+8 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 266

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 665

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500266

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Intestine Small, Duodenum		Erosion	Mild
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2,3,4,5,6-4+9+8+8 ]			
* Ovary		Cyst	Marked
[ Cyst TGLS = 1-6 ]			
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Parakeratosis	Minimal

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 267      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 672  
**DOSE:** 200 MG/KG      **DISP:** Moribund Sacrifice      **HISTO:** 9500267

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Lymph Node, Mandibular      \* Thymus

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Kidney		Hydronephrosis	Mild
		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[ Eosinophilic Focus TGLS = 2-3+8 ]		
	[ Hepatocellular Adenoma TGLS = 2-3+8 ]		
	[ Hepatocellular Carcinoma TGLS = 2-2+3+4+8 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Ovary		Cyst	Marked
		Hemorrhage	Marked
	[ Cyst TGLS = 1-6 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 267

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 672

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500267

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Ovary Hemorrhage

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 268

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500268

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 1,2,3,4,5-9+9+8+8+4 ]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 269

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500269

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 1,2,3,4-3+2+4+8+8 ]			
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 270

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 580

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500270

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Liver		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1,2,3,4-9+4+8+3+9+10 ]		
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Mild
	SOA	Parakeratosis	Mild
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 271

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 567

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500271

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Marked
* Kidney		Pigmentation	Hemosiderin, Marked
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Necrosis	Mild
	[ Hepatoblastoma TGLS = 1-3 ]		
	[ Hepatocellular Adenoma TGLS = 2,3-4+8 ]		
* Lung		Hepatoblastoma	Metastatic (Liver)
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

- Liver Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 272

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 728

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500272

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

* Lymph Node, Mesenteric	* Pituitary Gland	* Thymus
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**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Pigmentation	Hemosiderin, Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Necrosis	Moderate
[ Hepatoblastoma TGLS = 1-8+9 ]			
[ Hepatocellular Adenoma TGLS = 1-8+9 ]			
[ Hepatocellular Carcinoma TGLS = 1-8+9 ]			
* Pancreas		Hypertrophy	Focal, Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 273

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500273

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Bone Marrow		Hemangiosarcoma	
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2,3,4,5-2+4+3+8+8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	Control	Inflammation	Minimal
	SOA	Inflammation	Minimal
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-3 ]			
* Thymus		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 274      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 730  
**DOSE:** 200 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500274

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral GI			
Note: only 1 clitoral on slide			
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
[ Hepatoblastoma TGLS = 3-8+9 ]			
[ Hepatocellular Carcinoma TGLS = 3-8+9+10 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-8 ]			
* Ovary		Cystadenoma	
[ Cystadenoma TGLS = 2-6 ]			
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 275

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500275

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Clitoral Gland			
Note: only one clitoral on slide			
* Kidney			
Note: heterotopic bone noted			
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[ Hepatocellular Adenoma TGLS = 2-2+3+8 ]			
[ Hepatocellular Carcinoma TGLS = 2-2+3+4+8 ]			
* Mammary Gland		Carcinoma	
[ Carcinoma TGLS = 1-8 ]			
* Pituitary Gland	Pars Intermed	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous Gland	Hyperplasia	Mild
	SOA	Inflammation	Minimal
	SOA	Parakeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 276

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 722

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500276

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Marked
* Islets, Pancreatic		Adenoma	
* Kidney		Cyst	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
		Necrosis	Marked
	[ Hepatocellular Carcinoma TGLS = 1,2,3-3+2+8 ]		
* Lymph Node, Mesenteric		Angiectasis	Marked
* Pituitary Gland	Pars Intermed	Adenoma	
	[ Adenoma TGLS = 4-7 ]		
* Skin	SOA	Hyperkeratosis	Marked
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Minimal
	SOA	Parakeratosis	Mild
	SOA	Ulcer	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular		Erosion	Mild
* Thymus		Atrophy	Marked
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

- Pituitary Gland Pars Intermed Adenoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 277

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500277

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Intestine Small, Jejunum		Hyperplasia	Lymphoid, Minimal
[ Hyperplasia TGLS = 4-4 ]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 3-8+9 ]			
[ Hepatocellular Carcinoma TGLS = 3-9 ]			
* Ovary		Cyst	Moderate
[ Cyst TGLS = 1-6 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Mild
[ Hyperplasia TGLS = 2-6 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 278

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 653

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500278

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

* Clitoral Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Marked
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
	Glomerulus	Thrombosis	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
	[ Hepatocellular Adenoma TGLS = 4,5-4+3 ]		
	[ Hepatocellular Carcinoma TGLS = 3-8 ]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
Lymph Node	Mediastinal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 2-8 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 1-3 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 278	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 653
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9500278

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Liver Lymphoma Malignant		
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocellular Carcinoma;Lymph Node Pancreatic Lymphoma Malignant		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 279

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500279

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
		Myelofibrosis	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2,3,4,5-2+3+3+8 ]		
	[ Hepatocellular Carcinoma TGLS = 6-8 ]		
* Lymph Node, Mesenteric		Inflammation	Minimal
* Ovary		Cyst	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Uterus		Hyperplasia	Mild
		Polyp Stromal	
	[ Hyperplasia TGLS = 1-6 ]		
	[ Polyp Stromal TGLS = 1-6 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 280

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 702

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500280

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	[ Eosinophilic Focus TGLS = 8-8 ]		
	[ Hepatocellular Carcinoma TGLS = 4,5,6,7-2+4+8+8+3 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[ Hepatocellular Carcinoma TGLS = 2,3-2 ]		
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	[ Melanoma Malignant TGLS = 1-9 ]	Melanoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-04  
Test Type: CHRONIC  
Route: SKIN APPLICATION  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/22/2014  
Time Report Requested: 14:47:06  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 281

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 9500281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 3-8+9 ]			
Mesentery	Fat	Necrosis	Mild
* Ovary		Cyst	Mild
[ Cyst TGLS = 1-6 ]			
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Parakeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Mild
		Polyp Stromal	
[ Hyperplasia TGLS = 2-6 ]			
[ Polyp Stromal TGLS = 2-6 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 282      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 729  
**DOSE:** 200 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9500282

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[ Eosinophilic Focus TGLS = 2-4 ]			
[ Hepatocellular Adenoma TGLS = 1,3,5-4+3+8 ]			
[ Hepatocellular Carcinoma TGLS = 4-9 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 6-8 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
[ Adenoma TGLS = 7-7 ]			
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Parakeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 283

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 649

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500283

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 1-3+4+8 ]		
	[ Hepatocellular Carcinoma TGLS = 1-8 ]		
* Ovary		Cyst	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 284

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500284

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Hyperplasia Myelofibrosis	Mild Moderate
* Clitoral GI			
Note: only 1 clitoral on slide			
* Kidney		Lymphoma Malignant Nephropathy	Minimal
* Liver		Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma Lymphoma Malignant	Multiple Multiple
[ Eosinophilic Focus TGLS = 7-9 ]			
[ Hepatocellular Adenoma TGLS = 3,6-2+8 ]			
[ Hepatocellular Carcinoma TGLS = 3,4,5-2+4+3+8 ]			
[ Lymphoma Malignant TGLS = 7-9 ]			
Lymph Node	Pancreatic	Lymphoma Malignant	
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 284	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500284

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen [ Hematopoietic Cell Proliferation TGLS = 2-3 ]		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 285

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500285

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Eosinophilic Focus TGLS = 3-8 ]		
	[ Hepatocellular Adenoma TGLS = 1,2,4-8+4+4 ]		
	[ Hepatocellular Carcinoma TGLS = 3-8 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Ovary		Cyst	Mild
	Granulosa Cell	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 286

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 632

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500286

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Medulla [ Pheochromocytoma Complex TGLS = 6-7 ]		Pheochromocytoma Complex	
* Bone Marrow		Myelofibrosis	Minimal
* Liver  [ Eosinophilic Focus TGLS = 7,8,9-8+4+8 ] [ Hepatocellular Adenoma TGLS = 2,3,5-2+3+9 ] [ Hepatocellular Carcinoma TGLS = 4-9 ]		Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA Epidermis, SOA SOA, Sebaceous GI SOA	Hyperkeratosis Hyperplasia Hyperplasia Parakeratosis Hyperplasia	Mild Marked Mild Minimal Minimal
* Uterus [ Hyperplasia TGLS = 1-6 ]			

**PRIMARY CAUSE OF DEATH**

- Adrenal Medulla Pheochromocytoma Complex

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 287

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 621

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500287

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Minimal
* Brain	Neuron	Necrosis	Mild
* Kidney	Renal Tubule	Adenoma	
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[ Clear Cell Focus TGLS = 1-3 ]			
[ Hepatocellular Adenoma TGLS = 1-4 ]			
[ Hepatocellular Carcinoma TGLS = 1-3 ]			
* Nose		Inflammation	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	Control	Inflammation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Adenoma  
**CONTRIBUTORY CAUSE OF DEATH** - Brain Neuron Necrosis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 288

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500288

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Jejunum		Hyperplasia	Lymphoid, Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 3-2+3+4 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-8 ]			
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
[ Hematopoietic Cell Proliferation TGLS = 1-3 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 289

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500289

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney	Renal Tubule	Hyperplasia	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		[ Hepatocellular Adenoma TGLS = 1-2+3+9 ]	
		[ Hepatocellular Carcinoma TGLS = 1-4+9 ]	
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Mesentery	Fat	Necrosis	Mild
* Ovary			
Note: only 1 ovary on slide			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Minimal
		Melanoma Benign	
	SOA	Parakeratosis	Minimal
		[ Melanoma Benign TGLS = 2-8 ]	
* Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 289	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500289

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 290

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 711

**DOSE:** 200 MG/KG

**DISP:** Natural Death

**HISTO:** 9500290

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Bone Marrow		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
[ Hepatocellular Adenoma TGLS = 1-4+9 ]			
Lymph Node	Inguinal	Hematopoietic Cell Proliferation	Marked
	Mediastinal	Hematopoietic Cell Proliferation	Moderate
	Renal	Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 5-8 ]			
[ Hematopoietic Cell Proliferation TGLS = 6-9 ]			
* Lymph Node, Mandibular		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-4 ]			
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-4 ]			
* Ovary		Cyst	Marked
		Hemorrhage	Marked
[ Cyst TGLS = 3-8 ]			
* Pancreas			
Note: heterotopic hepatocytes embedded in pancreas			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Control, Subcut Tiss	Hemorrhage	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 290	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 711
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9500290

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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	SOA	Hyperkeratosis	Marked
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous Gl	Hyperplasia	Mild
	Control	Inflammation	Mild
	SOA	Inflammation	Moderate
	SOA	Parakeratosis	Mild
	SOA	Ulcer	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 2-3 ]		
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH	- Ovary Hemorrhage
CONTRIBUTORY CAUSE OF DEATH	- Liver Lymphoma Malignant

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 291

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500291

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Glandular	* Trachea	* Urinary Bladder	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[ Eosinophilic Focus TGLS = 2-3+8 ]		
	[ Hepatocellular Adenoma TGLS = 2-3+8 ]		
	[ Hepatocellular Carcinoma TGLS = 2-2+4+8 ]		
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Minimal
	SOA	Parakeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 1-6 ]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 291

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500291

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Uterus

Hyperplasia

Moderate

[ Hyperplasia TGLS = 1-6 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 292

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500292

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1,2,4-4+3+8 ]		
	[ Hepatocellular Carcinoma TGLS = 3,5-8+8 ]		
* Pancreas		Hypertrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 293

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 610

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500293

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Bone Marrow		Hemangiosarcoma	Metastatic (Ovary)
* Brain	Neuron	Necrosis	Mild
* Intestine Small, Duodenum		Ulcer	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2,3,4,5,6-2+3+4+8 ]			
* Ovary		Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 1-6 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Parakeratosis	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Ovary Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Neuron Necrosis;Liver Clear Cell Focus;Liver Eosinophilic Focus

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 294

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500294

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
		Myelofibrosis	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[ Eosinophilic Focus TGLS = 5-2 ]			
[ Hepatocellular Adenoma TGLS = 2,4,5-2+4+8 ]			
[ Hepatocellular Carcinoma TGLS = 1,3-3+8 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 295

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500295

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Mild
	[ Hepatocellular Adenoma TGLS = 2,3-4+3 ]		
	[ Hepatocellular Carcinoma TGLS = 4-8 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Minimal
	[ Hyperplasia TGLS = 1-6 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 296

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500296

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Myelofibrosis	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1-2 ]		
	[ Hepatocellular Carcinoma TGLS = 1-3+4+8 ]		
* Lung		Inflammation	Mild
* Ovary		Cyst	Marked
	[ Cyst TGLS = 2-6 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 297      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 506  
**DOSE:** 200 MG/KG      **DISP:** Moribund Sacrifice      **HISTO:** 9500297

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Necrosis	Mild
	[ Eosinophilic Focus TGLS = 2-8 ]		
	[ Hepatocellular Carcinoma TGLS = 2-8 ]		
	[ Necrosis TGLS = 3-4 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	[ Alveolar/Bronchiolar Carcinoma TGLS = 4-2 ]		
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		

**PRIMARY CAUSE OF DEATH**      - Liver    Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 298

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 653

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500298

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Clitoral Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Marked
* Kidney		Accumulation, Hyaline Droplet	Moderate
* Liver		Histiocytic Sarcoma	
		Hepatocellular Carcinoma	
		Histiocytic Sarcoma	
	[ Hepatocellular Carcinoma TGLS = 2-8 ]		
	[ Histiocytic Sarcoma TGLS = 2-3+4+8+9 ]		
* Lung		Histiocytic Sarcoma	
	[ Histiocytic Sarcoma TGLS = 2-3+4+8+9 ]		
Lymph Node	Lumbar	Histiocytic Sarcoma	
	Mediastinal	Histiocytic Sarcoma	
	[ Histiocytic Sarcoma TGLS = 3-8 ]		
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
	[ Histiocytic Sarcoma TGLS = 1-6 ]		
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Marked
* Uterus		Histiocytic Sarcoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 298

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 653

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500298

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Histiocytic Sarcoma TGLS = 1-6 ]

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PRIMARY CAUSE OF DEATH

- Lung Histiocytic Sarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 299

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9500299

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Medulla [ Pheochromocytoma Malignant TGLS = 4-9 ]		Pheochromocytoma Malignant	
* Bone Marrow		Hyperplasia	Marked
Eye [ Inflammation TGLS = 1-8 ]	Cornea	Inflammation	Moderate
Harderian Gland [ Carcinoma TGLS = 2-8 ]		Carcinoma	
* Kidney [ Lymphoma Malignant TGLS = 5-3 ]		Lymphoma Malignant	
* Liver [ Eosinophilic Focus TGLS = 5-3 ] [ Hepatocellular Adenoma TGLS = 6,7,10-3+2+4+3 ] [ Hepatocellular Carcinoma TGLS = 8,9-10 ]		Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple Multiple
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Hematopoietic Cell Proliferation Hyperplasia	Minimal Plasma Cell, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Skin	SOA Epidermis, SOA SOA, Sebaceous GI	Hyperkeratosis Hyperplasia Hyperplasia	Mild Marked Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 299	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9500299

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen [ Hematopoietic Cell Proliferation TGLS = 3-3 ]		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-04  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:47:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 300

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 701

**DOSE:** 200 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9500300

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

**MISSING**

\* Thymus

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Marked
		Myelofibrosis	Mild
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 4,5,6-4+3+9 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Parakeratosis	Mild
[ Fibrosarcoma TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-3 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Mild
[ Hyperplasia TGLS = 3-3 ]			

**PRIMARY CAUSE OF DEATH**

- Skin Subcut Tiss Fibrosarcoma

**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE