

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>C Number:</b>	C93021
<b>Lock Date:</b>	05/17/1995
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-1

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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               |
| * 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                   | * Pancreas                 | * Parathyroid Gland       |
| * Peripheral Nerve          | * Pituitary Gland        | * Preputial Gland          | * Prostate                |
| * Salivary Glands           | * Seminal Vesicle        | * Skeletal Muscle          | * Skin                    |
| * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |
- 

**OBSERVATIONS**

- |        |              |                             |
|--------|--------------|-----------------------------|
| * Lung | Inflammation | Chronic Active, Focal, Mild |
|--------|--------------|-----------------------------|
- 

PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-2

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * 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      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve         | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skeletal Muscle           | * Skin                   | * Spinal Cord              | * Spleen                  |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

OBSERVATIONS

- |   |                            |                                |
|---|----------------------------|--------------------------------|
| * Kidney                                  | Nephropathy                | Minimal                        |
| * Liver                                   | Hepatodiaphragmatic Nodule |                                |
| [ Hepatodiaphragmatic Nodule TGLS = 1-6 ] |                            |                                |
| * Lung                                    | Inflammation               | Chronic Active, Focal, Minimal |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

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<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-3

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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
* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
* Preputial Gland	Inflammation	Chronic Active, Focal, Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-4

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Lung	Inflammation	Chronic Active, Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

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<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-5

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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                 |
| * 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   | * Mammary Gland           | * Nose                      |
| * Pancreas               | * Parathyroid Gland        | * Peripheral Nerve        | * Pituitary Gland           |
| * Preputial Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Skeletal Muscle        | * Skin                     | * Spinal Cord             | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |
- 

**OBSERVATIONS**

- |          |                |                             |
|----------|----------------|-----------------------------|
| * Heart  | Cardiomyopathy | Minimal                     |
| * Kidney | Nephropathy    | Minimal                     |
| * Lung   | Inflammation   | Chronic Active, Focal, Mild |
- 

PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

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<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-6

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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               |
| * 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                   | * Pancreas                 | * Parathyroid Gland       |
| * Peripheral Nerve          | * Pituitary Gland        | * Preputial Gland          | * Prostate                |
| * Salivary Glands           | * Seminal Vesicle        | * Skeletal Muscle          | * Skin                    |
| * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |
- 

**OBSERVATIONS**

- |          |             |         |
|----------|-------------|---------|
| * Kidney | Nephropathy | Minimal |
|----------|-------------|---------|
- 

PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-7

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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
* 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
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-8

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * 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      |
| * Liver                     | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nose                      | * Pancreas               | * Peripheral Nerve         | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skeletal Muscle           | * Skin                   | * Spinal Cord              | * Spleen                  |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |          |              |                                 |
|----------|--------------|---------------------------------|
| * Kidney | Nephropathy  | Minimal                         |
| * Lung   | Inflammation | Chronic Active, Focal, Moderate |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-9

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Lung	Inflammation	Chronic Active, Focal, Minimal
* Preputial Gland	Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 10	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-10

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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
* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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**OBSERVATIONS**

* Kidney	Renal Tubule	Degeneration	Focal, Minimal
* Lung		Inflammation	Chronic Active, Focal, Moderate

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 11	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-11

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 12	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-12

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Minimal
* Skin	SOA	Inflammation	Chronic Active, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dicyclohexylcarbodiimide

**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 12:17:01

**First Dose M/F:** NA / NA

**Lab:** MBA

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**ANIMAL ID:** 13

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0.75 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB237G-13

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Bone Marrow

\* Brain

\* Lung

\* Skin

\* Spleen

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 14	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-14

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Lung	* Spleen
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**OBSERVATIONS**

* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dicyclohexylcarbodiimide

**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 12:17:01

**First Dose M/F:** NA / NA

**Lab:** MBA

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**ANIMAL ID:** 15

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0.75 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB237G-15

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Bone Marrow

\* Brain

\* Skin

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**OBSERVATIONS**

\* Lung

Inflammation

Chronic Active, Focal, Minimal

\* Spleen

Hematopoietic Cell Proliferation

Focal, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 16	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-16

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Spleen
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---

**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Mild
* Skin	Epidermis, SOA	Hyperplasia	Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 17	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-17

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Moderate
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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dicyclohexylcarbodiimide

**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 12:17:01

**First Dose M/F:** NA / NA

**Lab:** MBA

---

**ANIMAL ID:** 18

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0.75 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB237G-18

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

\* Brain

\* Skin

\* Spleen

---

**OBSERVATIONS**

\* Lung

Inflammation

Chronic Active, Focal, Moderate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 19	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-19

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 20	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-20

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Mild
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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dicyclohexylcarbodiimide

**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 12:17:01

**First Dose M/F:** NA / NA

**Lab:** MBA

---

**ANIMAL ID:** 21

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 1.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB237G-21

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

\* Brain

\* Lung

\* Skin

\* Spleen

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 22	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-22

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dicyclohexylcarbodiimide

**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 12:17:01

**First Dose M/F:** NA / NA

**Lab:** MBA

---

**ANIMAL ID:** 23

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 1.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB237G-23

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

\* Brain

\* Lung

\* Skin

\* Spleen

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 24	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-24

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Lung	* Spleen
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**OBSERVATIONS**

* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 25	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-25

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 26	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-26

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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---

**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Moderate
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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 27	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-27

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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---

**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 28	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-28

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Spleen
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---

**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Mild
* Skin	Epidermis, SOA	Hyperplasia	Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 29	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-29

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Spleen
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---

**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Moderate
* Skin	Epidermis, SOA	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 30	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-30

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Skin
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Mild
* Spleen	Hematopoietic Cell Proliferation	Focal, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 31	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-31

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Spleen
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---

**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Mild
* Skin	Epidermis, SOA	Hyperplasia	Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93021-03

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dicyclohexylcarbodiimide

**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 12:17:01

**First Dose M/F:** NA / NA

**Lab:** MBA

**ANIMAL ID:** 32

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 3.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB237G-32

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Bone Marrow

\* Brain

**OBSERVATIONS**

\* Lung

Inflammation

Chronic Active, Focal, Minimal

\* Skin

Epidermis, SOA

Hyperplasia

Minimal

\* Spleen

Hematopoietic Cell Proliferation

Focal, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 33	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-33

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Spleen
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---

**OBSERVATIONS**

* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Mild

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 34	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-34

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Spleen
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---

**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Moderate
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 35	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-35

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-36

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
[ Hyperplasia TGLS = 1-6 ]			

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PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 37	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-37

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Skin	Epidermis, SOA	Hyperplasia	Minimal
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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 38	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-38

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Lung	* Skin
* Spleen			

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 39	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-39

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 40	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-40

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Moderate
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 41

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 6.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-41

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Prostate
- \* Spinal Cord
- \* Testes
- \* Urinary Bladder

- \* Adrenal Medulla
- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve
- \* Salivary Glands
- \* Spleen
- \* Thymus

- \* Blood Vessel
- \* Epididymis
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Thyroid Gland

- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Preputial Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea

OBSERVATIONS

- |        |                   |             |         |
|--------|-------------------|-------------|---------|
| * Skin | Epidermis, SOA    | Hyperplasia | Minimal |
|        | SOA, Sebaceous GI | Hyperplasia | Minimal |

[ Hyperplasia TGLS = 1-6 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 42	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 6.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-42

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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
* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

---

**OBSERVATIONS**

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Inflammation	Chronic Active, Focal, Moderate
* Skin	Control, Epidermis	Hyperplasia	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Minimal
* Spleen		Hematopoietic Cell Proliferation	Focal, Minimal

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 43	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 6.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-43

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* 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
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

---

**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Moderate
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Minimal
* Spleen		Hematopoietic Cell Proliferation	Focal, Minimal

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 44

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 6.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-44

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 45

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 6.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-45

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * 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   | * Mammary Gland           | * Nose                      |
| * Pancreas               | * Peripheral Nerve         | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skeletal Muscle           |
| * Spinal Cord            | * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Testes                 | * Thymus                   | * Thyroid Gland           | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                 |                    |                |                                |
|-----------------|--------------------|----------------|--------------------------------|
| * Heart         |                    | Cardiomyopathy | Minimal                        |
| * Kidney        |                    | Nephropathy    | Minimal                        |
| * Lung          |                    | Inflammation   | Chronic Active, Focal, Minimal |
| * Sem Ves       |                    |                |                                |
| Note: TGL 1-NCL |                    |                |                                |
| * Skin          | Control, Epidermis | Hyperplasia    | Mild                           |
|                 | Epidermis, SOA     | Hyperplasia    | Mild                           |
|                 | SOA, Sebaceous GI  | Hyperplasia    | Minimal                        |
|                 | Control            | Inflammation   | Chronic Active, Minimal        |
|                 | SOA                | Inflammation   | Chronic Active, Minimal        |

[ Hyperplasia TGLS = 2-6 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 46

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 6.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-46

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Lung		Inflammation	Chronic Active, Focal, Moderate
* Skin	Control, Epidermis	Hyperplasia	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	Control	Inflammation	Chronic Active, Minimal
	SOA	Inflammation	Chronic Active, Minimal
	Control, Epidermis	Necrosis	Minimal

[ Hyperplasia TGLS = 1-6 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 47

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 6.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-47

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
Note: TG1-NCL			
* Lung		Inflammation	Chronic Active, Focal, Mild
* Skin	Control, Epidermis	Hyperplasia	Minimal
	Epidermis, SOA	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 48	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 6.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-48

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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
* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

---

**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Minimal
* Stomach, Forestomach		Hyperplasia	Atypical, Focal, Mild
		Inflammation	Acute, Focal, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 49

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 6.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-49

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Peripheral Nerve
- \* Salivary Glands
- \* Spleen
- \* Thymus

- \* Adrenal Medulla
- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Nose
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Thyroid Gland

- \* Blood Vessel
- \* Epididymis
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Preputial Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea

- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Prostate
- \* Spinal Cord
- \* Testes
- \* Urinary Bladder

OBSERVATIONS

- |        |                    |              |                                 |
|--------|--------------------|--------------|---------------------------------|
| * Lung |                    | Inflammation | Chronic Active, Focal, Moderate |
| * Skin | Control, Epidermis | Hyperplasia  | Minimal                         |
|        | Epidermis, SOA     | Hyperplasia  | Minimal                         |
|        | SOA, Sebaceous GI  | Hyperplasia  | Minimal                         |
|        | Control            | Inflammation | Chronic Active, Minimal         |

[ Hyperplasia TGLS = 1-6 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 50	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 6.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-50

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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
* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

---

**MISSING**

\* Pituitary Gland

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**OBSERVATIONS**

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Inflammation	Chronic Active, Focal, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 51

TRT#: 6

SEX: Male

DAY ON TEST: 39

DOSE: 12.0 MG/KG

DISP: Natural Death

HISTO: MB237G-51

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                          |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Blood Vessel           | * Bone                   |
| * Epididymis              | * Esophagus                 | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic     |
| * Kidney                  | * Liver                     | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland           | * Nose                      | * Pancreas               | * Peripheral Nerve       |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle        |
| * Skeletal Muscle         | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach   |
| * Stomach, Glandular      | * Testes                    | * Thyroid Gland          | * Trachea                |
| * Urinary Bladder         |                             |                          |                          |

MISSING

- |                     |                   |
|---------------------|-------------------|
| * Parathyroid Gland | * Pituitary Gland |
|---------------------|-------------------|

AUTO PRECLUDES DIAG.

- \* Intestine Small, Jejunum

OBSERVATIONS

- |                             |                |                |                          |
|-----------------------------|----------------|----------------|--------------------------|
| * Bone Marrow               |                | Hyperplasia    | Diffuse, Mild            |
| * Brain                     |                | Hemorrhage     | Mild                     |
| * Heart                     |                | Cardiomyopathy | Minimal                  |
| * Lung                      |                | Congestion     | Diffuse, Mild            |
| [ Congestion TGLS = 1-7 ]   |                |                |                          |
| * Skin                      | Epidermis, SOA | Hyperplasia    | Mild                     |
|                             | SOA            | Inflammation   | Acute, Diffuse, Moderate |
|                             | SOA            | Inflammation   | Chronic Active, Moderate |
| [ Inflammation TGLS = 3-6 ] |                |                |                          |
| * Thymus                    |                | Atrophy        | Moderate                 |

PRIMARY CAUSE OF DEATH

-

Animal Note: Carcass, Thin- TGL 2-NST

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 52	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 32
	<b>DOSE:</b> 12.0 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> MB237G-52

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea		

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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Diffuse, Moderate
* Liver		Inflammation	Chronic Active, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Mild
	Epidermis, SOA	Necrosis	Minimal
[ Hyperplasia TGLS = 1-6 ]			
* Urinary Bladder		Hemorrhage	Minimal

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PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 53

TRT#: 6

SEX: Male

DAY ON TEST: 32

DOSE: 12.0 MG/KG

DISP: Moribund Sacrifice

HISTO: MB237G-53

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Brain                  | * Epididymis               | * Esophagus               | * 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                | * Peripheral Nerve          |
| * Pituitary Gland        | * Preputial Gland          | * Prostate                | * Salivary Glands           |
| * Seminal Vesicle        | * Skeletal Muscle          | * Spinal Cord             | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |               |                |              |                          |
|---------------|----------------|--------------|--------------------------|
| * Bone Marrow |                | Hyperplasia  | Diffuse, Mild            |
| * Skin        | Epidermis, SOA | Hyperplasia  | Moderate                 |
|               | SOA            | Inflammation | Chronic Active, Moderate |
|               | Epidermis, SOA | Necrosis     | Moderate                 |

[ Inflammation TGLS = 1-6 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 54

TRT#: 6

SEX: Male

DAY ON TEST: 45

DOSE: 12.0 MG/KG

DISP: Moribund Sacrifice

HISTO: MB237G-54

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                    |
|---------------------------|-----------------------------|--------------------------|--------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Blood Vessel           | * Bone             |
| * Brain                   | * Epididymis                | * Esophagus              | * Heart            |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Islets, Pancreatic     | * Liver            |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland    |
| * Nose                    | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve |
| * Pituitary Gland         | * Preputial Gland           | * Prostate               | * Salivary Glands  |
| * Seminal Vesicle         | * Skeletal Muscle           | * Spinal Cord            | * Spleen           |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 | * Thymus           |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                    |

AUTO PRECLUDES DIAG.

- |                          |                          |                          |                            |
|--------------------------|--------------------------|--------------------------|----------------------------|
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Small, Ileum | * Intestine Small, Jejunum |
|--------------------------|--------------------------|--------------------------|----------------------------|

OBSERVATIONS

- |               |                   |              |                          |
|---------------|-------------------|--------------|--------------------------|
| * Bone Marrow |                   | Hyperplasia  | Diffuse, Moderate        |
| * Kidney      |                   | Nephropathy  | Minimal                  |
| * Skin        | Epidermis, SOA    | Hyperplasia  | Moderate                 |
|               | SOA, Sebaceous GI | Hyperplasia  | Mild                     |
|               | SOA               | Inflammation | Chronic Active, Moderate |
|               | Epidermis, SOA    | Necrosis     | Mild                     |

[ Inflammation TGLS = 2-6 ]

PRIMARY CAUSE OF DEATH

-

Animal Note: Carcass, Thin- TGL 1-NST

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 55

TRT#: 6

SEX: Male

DAY ON TEST: 40

DOSE: 12.0 MG/KG

DISP: Moribund Sacrifice

HISTO: MB237G-55

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Intestine Large, Colon
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Preputial Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Adrenal Medulla
- \* Epididymis
- \* Intestine Large, Rectum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Prostate
- \* Spinal Cord
- \* Testes

- \* Blood Vessel
- \* Esophagus
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve
- \* Salivary Glands
- \* Spleen
- \* Thyroid Gland

- \* Bone
- \* Intestine Large, Cecum
- \* Liver
- \* Nose
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Trachea

AUTO PRECLUDES DIAG.

- \* Intestine Small, Duodenum

- \* Intestine Small, Ileum

- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Bone Marrow
- \* Heart
- \* Kidney
- \* Lung
- \* Skin

- Epidermis, SOA
- SOA, Sebaceous GI
- SOA

- Hyperplasia
- Cardiomyopathy
- Nephropathy
- Inflammation
- Hyperplasia
- Hyperplasia
- Inflammation

- Diffuse, Mild
- Minimal
- Minimal
- Chronic Active, Focal, Minimal
- Moderate
- Mild
- Chronic Active, Moderate

[ Inflammation TGLS = 1-6 ]

- \* Thymus

- Necrosis

- Diffuse, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: Carcass, Thin- TGL 2-NST

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 56

TRT#: 6

SEX: Male

DAY ON TEST: 40

DOSE: 12.0 MG/KG

DISP: Moribund Sacrifice

HISTO: MB237G-56

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                          |                           |                             |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla        | * Blood Vessel            | * Bone                      |
| * Brain                  | * Epididymis             | * Esophagus               | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Islets, Pancreatic     | * Kidney                  | * Liver                     |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland           | * Nose                      |
| * Pancreas               | * Parathyroid Gland      | * Peripheral Nerve        | * Pituitary Gland           |
| * Preputial Gland        | * Prostate               | * Salivary Glands         | * Seminal Vesicle           |
| * Skeletal Muscle        | * Spinal Cord            | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                 | * Thymus                  | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder        |                           |                             |

AUTO PRECLUDES DIAG.

- \* Intestine Small, Jejunum

OBSERVATIONS

- |               |                   |              |                                |
|---------------|-------------------|--------------|--------------------------------|
| * Bone Marrow |                   | Hyperplasia  | Diffuse, Moderate              |
| * Lung        |                   | Inflammation | Chronic Active, Focal, Minimal |
| * Skin        | Epidermis, SOA    | Hyperplasia  | Moderate                       |
|               | SOA, Sebaceous GI | Hyperplasia  | Mild                           |
|               | SOA               | Inflammation | Chronic Active, Moderate       |
|               | Epidermis, SOA    | Necrosis     | Mild                           |

[ Necrosis TGLS = 1-6 ]

PRIMARY CAUSE OF DEATH

-

Animal Note: Carcass, Thin- TGL 2-NST

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 57

TRT#: 6

SEX: Male

DAY ON TEST: 25

DOSE: 12.0 MG/KG

DISP: Moribund Sacrifice

HISTO: MB237G-57

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Intestine Large, Colon
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Prostate
- \* Spinal Cord
- \* Testes
- \* Urinary Bladder

- \* Adrenal Medulla
- \* Epididymis
- \* Intestine Large, Rectum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve
- \* Salivary Glands
- \* Spleen
- \* Thymus

- \* Blood Vessel
- \* Esophagus
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Thyroid Gland

- \* Bone
- \* Heart
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Preputial Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum

- \* Intestine Small, Duodenum

- \* Intestine Small, Ileum

OBSERVATIONS

- \* Bone Marrow
- \* Skin

Epidermis, SOA  
Control  
SOA

Hyperplasia  
Hyperplasia  
Inflammation  
Inflammation

Diffuse, Mild  
Mild  
Chronic Active, Moderate  
Granulomatous, Moderate

[ Inflammation TGLS = 2-6 ]

PRIMARY CAUSE OF DEATH

-

Animal Note: Carcass, Thin- TGL 1-NST

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 58

TRT#: 6

SEX: Male

DAY ON TEST: 44

DOSE: 12.0 MG/KG

DISP: Moribund Sacrifice

HISTO: MB237G-58

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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
* Nose	* Pancreas	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Diffuse, Mild
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Marked
	Control, Epidermis	Necrosis	Mild
	Epidermis, SOA	Necrosis	Mild

[ Necrosis TGLS = 1-6 ]

PRIMARY CAUSE OF DEATH

-

Animal Note: Carcass, Thin- TGL 2-NST

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 59

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 39

**DOSE:** 12.0 MG/KG

**DISP:** Natural Death

**HISTO:** MB237G-59

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Diffuse, Mild
* Skin	Control, Epidermis	Hyperplasia	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	Control	Inflammation	Chronic Active, Minimal
	SOA	Inflammation	Chronic Active, Mild
	Epidermis, SOA	Necrosis	Minimal
	[ Inflammation TGLS = 1-6 ]		
* Spleen		Depletion Cellular	Diffuse, Moderate
* Thymus		Necrosis	Diffuse, Moderate

**PRIMARY CAUSE OF DEATH**

-

Animal Note: Carcass, Thin- TGL 2-NST

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 60

TRT#: 6

SEX: Male

DAY ON TEST: 39

DOSE: 12.0 MG/KG

DISP: Moribund Sacrifice

HISTO: MB237G-60

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Diffuse, Mild
* Lung		Congestion	Diffuse, Mild
		Inflammation	Chronic Active, Focal, Minimal
[ Congestion TGLS = 2-7 ]			
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
[ Inflammation TGLS = 1-6 ]			
* Spleen		Hematopoietic Cell Proliferation	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: Carcass, Thin- TGL 3-NST

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 61	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Accidentally Killed	<b>HISTO:</b> MB237G-61

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**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	* Kidney
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

---

**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Histiocytic, Focal, Mild
Note: Hyperplasia also involves lymphoid elements.		
* Lung	Inflammation	Chronic Active, Focal, Mild

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 62

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-62

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea

- \* Adrenal Medulla
- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Nose
- \* Peripheral Nerve
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Blood Vessel
- \* Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus

- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Salivary Glands
- \* Spleen
- \* Thyroid Gland

OBSERVATIONS

- \* Lung Inflammation Chronic Active, Focal, Mild
- \* Uterus Bilateral Hydrometra Mild  
[ Hydrometra TGLS = 1-9 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 63

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-63

**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	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Histiocytic, Focal, Minimal
---------------	-------------	-----------------------------

Note: Hyperplasia also involves lymphoid elements.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 64

TRT#: 7

DOSE: 0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 92

HISTO: MB237G-64

**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	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Bone Marrow Note: Hyperplasia also involves lymphoid elements.	Hyperplasia	Histiocytic, Focal, Minimal
* Kidney	Nephropathy	Minimal
* Lung	Inflammation	Chronic Active, Focal, Minimal
* Ovary Note: TGL 1-NCL		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 65

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB237G-65

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Lung	Inflammation	Chronic Active, Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 66

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-66

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Bone Marrow  
\* Heart  
\* Intestine Small, Duodenum  
\* Kidney  
\* Mammary Gland  
\* Parathyroid Gland  
\* Skeletal Muscle  
\* Stomach, Forestomach  
\* Trachea

\* Adrenal Medulla  
\* Brain  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Liver  
\* Nose  
\* Peripheral Nerve  
\* Skin  
\* Stomach, Glandular  
\* Urinary Bladder

\* Blood Vessel  
\* Clitoral Gland  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Ovary  
\* Pituitary Gland  
\* Spinal Cord  
\* Thymus  
\* Uterus

\* Bone  
\* Esophagus  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Salivary Glands  
\* Spleen  
\* Thyroid Gland

**OBSERVATIONS**

\* Lung

Inflammation

Chronic Active, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 67

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-67

**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
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Moderate
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 68	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-68

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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	* 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
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

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**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Histiocytic, Focal, Mild
Note: Hyperplasia also involves lymphoid elements.		
* Lung	Inflammation	Chronic Active, Focal, Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 69

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 0 MG/KG

**DISP:** Accidentally Killed

**HISTO:** MB237G-69

**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
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 70	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-70

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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
* 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	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

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**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 71	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-71

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Moderate
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 72	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-72

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 73	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-73

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 74	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-74

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 75	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-75

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 76	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-76

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Skin	Control, Epidermis	Hyperplasia	Minimal
	Epidermis, SOA	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 77	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-77

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Mild
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 78	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-78

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Moderate
* Skin	Epidermis, SOA	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 79	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-79

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 80	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0.75 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-80

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 81	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-81

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Lung	* Spleen
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**OBSERVATIONS**

* Skin	Epidermis, SOA SOA	Hyperplasia Inflammation	Minimal Chronic Active, Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 82	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-82

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Minimal
* Uterus		Hydrometra	Moderate
[ Hydrometra TGLS = 1-9 ]			

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 83	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-83

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Lung	* Spleen
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**OBSERVATIONS**

* Skin	Epidermis, SOA	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 84	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-84

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 85	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-85

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Brain	* Lung	* Spleen
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**OBSERVATIONS**

* Bone Marrow Note: Lymphoid elements.		Hyperplasia	Histiocytic, Focal, Moderate
* Skin	Epidermis, SOA SOA	Hyperplasia Inflammation	Minimal Chronic Active, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 86	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-86

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 87	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-87

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Brain	* Lung	* Spleen
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**OBSERVATIONS**

* Bone Marrow Note: Lymphoid elements.		Hyperplasia	Histiocytic, Focal, Mild
* Skin	Epidermis, SOA	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 88	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-88

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Brain \* Spleen

---

**OBSERVATIONS**

* Bone Marrow Note: Lymphoid elements.		Hyperplasia	Histiocytic, Focal, Mild
* Lung		Inflammation	Chronic Active, Focal, Mild
* Skin	Control, Epidermis	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 89	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-89

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 90

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-90

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Brain

\* Spleen

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Histiocytic, Focal, Mild

Note: Lymphoid elements.

\* Lung

Inflammation

Chronic Active, Focal, Minimal

\* Skin

Epidermis, SOA

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-91

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Skin	Epidermis, SOA SOA	Hyperplasia Inflammation	Mild Chronic Active, Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 92	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-92

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Skin	* Spleen
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**OBSERVATIONS**

* Lung	Inflammation	Chronic Active, Focal, Minimal
* Uterus	Hydrometra	Mild
[ Hydrometra TGLS = 1-9 ]		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 93	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-93

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Lung	* Skin
* Spleen			

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**OBSERVATIONS**

\* Skin  
Note: SOA TGL 1-NCL

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 94	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-94

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Brain \* Spleen

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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Histiocytic, Focal, Minimal
* Lung		Inflammation	Chronic Active, Focal, Mild
* Skin	Epidermis, SOA	Hyperplasia	Minimal

[ Hyperplasia TGLS = 1-6 ]

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 95	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-95

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Minimal
[ Hyperplasia TGLS = 1-6 ]			

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 96	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-96

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dicyclohexylcarbodiimide

**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 12:17:01

**First Dose M/F:** NA / NA

**Lab:** MBA

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**ANIMAL ID:** 97

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 3.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB237G-97

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Bone Marrow

\* Brain

\* Skin

\* Spleen

---

**OBSERVATIONS**

\* Lung

Inflammation

Chronic Active, Focal, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 98	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-98

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Spleen
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**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Moderate
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	Control	Inflammation	Chronic Active, Minimal

[ Hyperplasia TGLS = 1-6 ]

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Dicyclohexylcarbodiimide  
CAS Number: 538-75-0

Date Report Requested: 10/17/2014  
Time Report Requested: 12:17:01  
First Dose M/F: NA / NA  
Lab: MBA

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ANIMAL ID: 99	TRT#: 10	SEX: Female	DAY ON TEST: 92
	DOSE: 3.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB237G-99

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ORGAN AND ACCOUNTABLE SITE STATUS

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**NORMAL**  
\* Brain \* Spleen

---

**OBSERVATIONS**  
\* Bone Marrow Hyperplasia Histiocytic, Focal, Mild  
    Note: Lymphoid elements.  
\* Lung Inflammation Chronic Active, Focal, Minimal  
\* Skin Epidermis, SOA Hyperplasia Minimal

---

PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

<b>ANIMAL ID:</b> 100	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB237G-100

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Lung	* Spleen
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**OBSERVATIONS**

* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 1-12 ]			
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Minimal

Note: SKIN CONTROL: INSUFFICIENT TISSUE

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 101

**TRT#:** 11  
**DOSE:** 6.0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 92  
**HISTO:** MB237G-101

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Chronic Active, Focal, Minimal
* Lung		Inflammation	Chronic Active, Focal, Mild
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Mild

[ Hyperplasia TGLS = 1-6 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 102

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 6.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Adrenal Medulla
- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Nose
- \* Peripheral Nerve
- \* Spinal Cord
- \* Thymus
- \* Uterus

- \* Blood Vessel
- \* Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

OBSERVATIONS

- |                            |                |              |                             |
|----------------------------|----------------|--------------|-----------------------------|
| * Lung                     |                | Inflammation | Chronic Active, Focal, Mild |
| * Skin                     | Epidermis, SOA | Hyperplasia  | Mild                        |
|                            | SOA            | Inflammation | Chronic Active, Minimal     |
| [ Hyperplasia TGLS = 1-6 ] |                |              |                             |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 103

**TRT#:** 11  
**DOSE:** 6.0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 92  
**HISTO:** MB237G-103

**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
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Acute, Moderate
	SOA	Inflammation	Chronic Active, Moderate
	Epidermis, SOA	Necrosis	Mild

[ Inflammation TGLS = 1-6 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 104

**TRT#:** 11  
**DOSE:** 6.0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 92  
**HISTO:** MB237G-104

**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
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Skin	Control, Epidermis	Hyperplasia	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA, Sebaceous GI	Hyperplasia	Minimal
	Control	Inflammation	Chronic Active, Minimal
	SOA	Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 105

**TRT#:** 11  
**DOSE:** 6.0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 92  
**HISTO:** MB237G-105

**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	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Histiocytic, Focal, Minimal
* Skin [ Hyperplasia TGLS = 1-6 ]	Epidermis, SOA	Hyperplasia	Mild
* Uterus		Hydrometra	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 106

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 6.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Esophagus               | * 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         |
| * Peripheral Nerve       | * Pituitary Gland          | * Salivary Glands         | * Skeletal Muscle           |
| * Spinal Cord            | * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Thymus                 | * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |
| * Uterus                 |                            |                           |                             |

MISSING

- \* Clitoral Gland

OBSERVATIONS

- |                            |                |              |                                 |
|----------------------------|----------------|--------------|---------------------------------|
| * Lung                     |                | Inflammation | Chronic Active, Focal, Moderate |
| * Skin                     | Epidermis, SOA | Hyperplasia  | Mild                            |
|                            | SOA            | Inflammation | Chronic Active, Minimal         |
| [ Hyperplasia TGLS = 1-6 ] |                |              |                                 |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 107

**TRT#:** 11  
**DOSE:** 6.0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 92  
**HISTO:** MB237G-107

**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
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Lung		Inflammation	Chronic Active, Focal, Mild
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Minimal
[ Hyperplasia TGLS = 2-6 ]			
* Uterus		Hydrometra	Moderate
[ Hydrometra TGLS = 1-9 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 108

**TRT#:** 11  
**DOSE:** 6.0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 92  
**HISTO:** MB237G-108

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* 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	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Diffuse, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Inflammation	Chronic Active, Focal, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Minimal

[ Hyperplasia TGLS = 1-6 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 109

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 6.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB237G-109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Adrenal Medulla
- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Nose
- \* Peripheral Nerve
- \* Spinal Cord
- \* Thymus
- \* Uterus

- \* Blood Vessel
- \* Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

OBSERVATIONS

- \* Lung Inflammation Chronic Active, Focal, Minimal
- \* Skin Epidermis, SOA Hyperplasia Minimal
- [ Hyperplasia TGLS = 1-6 ] SOA Inflammation Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 110

**TRT#:** 11  
**DOSE:** 6.0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 92  
**HISTO:** MB237G-110

**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
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

Lymph Node Note: Lesion involved axillary lymph node; however, term not available as a site. [ Hyperplasia TGLS = 1-12 ]		Hyperplasia	Lymphoid, Diffuse, Mild
* Skin [ Hyperplasia TGLS = 2-6 ]	Epidermis, SOA SOA, Sebaceous GI SOA	Hyperplasia Hyperplasia Inflammation	Mild Minimal Chronic Active, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 111

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 44

**DOSE:** 12.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** MB237G-111

**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	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**AUTO PRECLUDES DIAG.**

\* Intestine Small, Jejunum

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Diffuse, Mild
* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Mild
	Epidermis, SOA	Necrosis	Minimal

[ Inflammation TGLS = 1-6 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 112

TRT#: 12

SEX: Female

DAY ON TEST: 44

DOSE: 12.0 MG/KG

DISP: Moribund Sacrifice

HISTO: MB237G-112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                          |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Blood Vessel           | * Bone                   |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic     |
| * Kidney                  | * Liver                     | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas               |
| * Peripheral Nerve        | * Pituitary Gland           | * Salivary Glands        | * Skeletal Muscle        |
| * Spinal Cord             | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular     |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder        |
| * Uterus                  |                             |                          |                          |

AUTO PRECLUDES DIAG.

- |                          |                            |
|--------------------------|----------------------------|
| * Intestine Large, Cecum | * Intestine Small, Jejunum |
|--------------------------|----------------------------|

INSUFFICIENT TISSUE

- \* Parathyroid Gland

OBSERVATIONS

- |               |                    |                |                             |
|---------------|--------------------|----------------|-----------------------------|
| * Bone Marrow |                    | Hyperplasia    | Diffuse, Mild               |
| * Heart       |                    | Cardiomyopathy | Minimal                     |
| * Lung        |                    | Inflammation   | Chronic Active, Focal, Mild |
| * Skin        | Control, Epidermis | Hyperplasia    | Minimal                     |
|               | Epidermis, SOA     | Hyperplasia    | Moderate                    |
|               | SOA, Sebaceous GI  | Hyperplasia    | Minimal                     |
|               | Control            | Inflammation   | Chronic Active, Minimal     |
|               | SOA                | Inflammation   | Chronic Active, Mild        |

[ Inflammation TGLS = 2-6 ]

PRIMARY CAUSE OF DEATH

-

Animal Note: Carcass, Thin- TGL 1-NST

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 113

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 38

**DOSE:** 12.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** MB237G-113

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**AUTO PRECLUDES DIAG.**

\* Intestine Small, Jejunum

**INSUFFICIENT TISSUE**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Diffuse, Mild
* Heart		Cardiomyopathy	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	Dermis, SOA	Inflammation	Chronic Active, Marked
	Epidermis, SOA	Necrosis	Focal, Mild

[ Necrosis TGLS = 1-6 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 114

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 29

**DOSE:** 12.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** MB237G-114

**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	* Kidney
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Diffuse, Moderate
* Lung		Inflammation	Chronic Active, Focal, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	Control	Inflammation	Chronic Active, Minimal
	SOA	Inflammation	Chronic Active, Moderate
	Control, Epidermis	Necrosis	Mild

[ Inflammation TGLS = 1-6 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 115

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 31

**DOSE:** 12.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** MB237G-115

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**AUTO PRECLUDES DIAG.**

* Intestine Large, Cecum	* Intestine Small, Ileum
--------------------------	--------------------------

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Diffuse, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate

[ Inflammation TGLS = 1-6 ]

**PRIMARY CAUSE OF DEATH**

-

Animal Note: Carcass, Thin- TGL 2-NST

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 116

TRT#: 12

SEX: Female

DAY ON TEST: 31

DOSE: 12.0 MG/KG

DISP: Moribund Sacrifice

HISTO: MB237G-116

**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	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Diffuse, Moderate
* Kidney		Nephropathy	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Moderate

[ Inflammation TGLS = 2-6 ]

PRIMARY CAUSE OF DEATH

-

Animal Note: Carcass, Thin- TGL 1-NST

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 117

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 24

**DOSE:** 12.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** MB237G-117

**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	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**AUTO PRECLUDES DIAG.**

* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Diffuse, Moderate
* Mammary GI			
Note: TGL 1-NCL			
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Mild
	Epidermis, SOA	Necrosis	Minimal

[ Inflammation TGLS = 2-6 ]

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 24

DOSE: 12.0 MG/KG

DISP: Moribund Sacrifice

HISTO: MB237G-118

**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	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Diffuse, Mild
Lymph Node			
Note: Iliac lymph node normal, TGL 1-NCL			
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Mild
[ Inflammation TGLS = 2-6 ]			

PRIMARY CAUSE OF DEATH

-

Animal Note: Iliac Lymph Node, Normal- TGL 1-NCL

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93021-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dicyclohexylcarbodiimide  
**CAS Number:** 538-75-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 12:17:01  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 119

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 28

**DOSE:** 12.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** MB237G-119

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* 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	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Diffuse, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Mild

[ Hyperplasia TGLS = 1-6 ]

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 93021-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:17:01

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 120

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 12.0 MG/KG

DISP: Moribund Sacrifice

HISTO: MB237G-120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Adrenal Medulla
- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve
- \* Spinal Cord
- \* Thymus
- \* Uterus

- \* Blood Vessel
- \* Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Skin
- [ Necrosis TGLS = 1-6 ]

Dermis, SOA  
 Epidermis, SOA  
 SOA  
 Epidermis, SOA

Edema  
 Hyperplasia  
 Inflammation  
 Necrosis

Focal, Mild  
 Mild  
 Chronic Active, Moderate  
 Moderate

PRIMARY CAUSE OF DEATH

-

\*\* END OF REPORT \*\*

\* PROTOCOL REQUIRED TISSUE