

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

C Number:	C97003C
Lock Date:	10/27/2000
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB401M-1

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Skin			
Note: control and SOA			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB401M-2

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Skin		
Note: control and SOA		
Spleen	Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Accidentally Killed	HISTO: MB401M-3

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Skin
Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Accidentally Killed	HISTO: MB401M-4

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Eye	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
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Gallbladder	Mammary Gland
-------------	---------------

OBSERVATIONS

Skin
Note: control and SOA

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB401M-5

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland
-------------	---------------

OBSERVATIONS

Liver	Hepatocyte	Inflammation	Chronic Active, Focal, Minimal
-------	------------	--------------	--------------------------------

Skin

Note: SOA and control

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB401M-6

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver	Inflammation	Chronic Active, Focal, Minimal
Skin		
Note: control and SOA		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Accidentally Killed	HISTO: MB401M-7

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland	Thymus
---------------	-------------------	--------

OBSERVATIONS

Lung	Alveolus	Hemorrhage	Focal, Minimal
Skin			
Note: control and SOA			
Testes			
Note: slide 2			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB401M-8

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB401M-9

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

Skin
Note: control and SOA

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB401M-10

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 11	TRT#: 2	SEX: Male	DAY ON TEST: 92
	DOSE: 0.2 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-11

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Skin
-------------	------

OBSERVATIONS

Skin
Note: control and SOA

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 12

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 0.2 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-12

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 13

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 0.2 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-13

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 14	TRT#: 2	SEX: Male	DAY ON TEST: 92
	DOSE: 0.2 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-14

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Skin
-------------	------

OBSERVATIONS

Skin
Note: control and SOA

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 15

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 0.2 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-15

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 16

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 0.2 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-16

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 17

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 0.2 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-17

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 18

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 0.2 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-18

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 19

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 0.2 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-19

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 20	TRT#: 2	SEX: Male	DAY ON TEST: 92
	DOSE: 0.2 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-20

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Skin
-------------	------

OBSERVATIONS

Skin
Note: control and SOA

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 21

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 0.6 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-21

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 22

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 0.6 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-22

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 23

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 0.6 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-23

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 24	TRT#: 3	SEX: Male	DAY ON TEST: 92
	DOSE: 0.6 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-24

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Skin
-------------	------

OBSERVATIONS

Skin
Note: control and SOA

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 25

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 0.6 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-25

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 26

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 0.6 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-26

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 27	TRT#: 3	SEX: Male	DAY ON TEST: 92
	DOSE: 0.6 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-27

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Skin
-------------	------

OBSERVATIONS

Skin
Note: control and SOA

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 28

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 0.6 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-28

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 29

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 0.6 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-29

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 30

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 0.6 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-30

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Skin

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 31	TRT#: 4 DOSE: 2.0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB401M-31
OBSERVATIONS			
Bone Marrow		Hyperplasia	Minimal
Skin	SOA Epidermis SOA Epidermis	Hyperkeratosis Hyperplasia	Minimal Minimal
Note: control skin is normal			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 32	TRT#: 4	SEX: Male	DAY ON TEST: 92
	DOSE: 2.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-32

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Epidermis	Hyperplasia	Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 33	TRT#: 4	SEX: Male	DAY ON TEST: 92
	DOSE: 2.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-33

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Epidermis	Hyperplasia	Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 34	TRT#: 4	SEX: Male	DAY ON TEST: 92
	DOSE: 2.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-34

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Epidermis	Hyperplasia	Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 35	TRT#: 4	SEX: Male	DAY ON TEST: 92
	DOSE: 2.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-35

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Epidermis	Hyperplasia	Minimal
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 36	TRT#: 4	SEX: Male	DAY ON TEST: 92
	DOSE: 2.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-36

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Epidermis	Hyperplasia	Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 37	TRT#: 4	SEX: Male	DAY ON TEST: 92
	DOSE: 2.0 MG/KG	DISP: Accidentally Killed	HISTO: MB401M-37

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Epidermis	Hyperplasia	Minimal
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 38	TRT#: 4	SEX: Male	DAY ON TEST: 92
	DOSE: 2.0 MG/KG	DISP: Accidentally Killed	HISTO: MB401M-38

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Epidermis	Hyperplasia	Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 39	TRT#: 4	SEX: Male	DAY ON TEST: 92
	DOSE: 2.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-39

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 40	TRT#: 4	SEX: Male	DAY ON TEST: 92
	DOSE: 2.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-40

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
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: MB401M-41

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Epidermis	Hyperplasia	Mild
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 42	TRT#: 5	SEX: Male	DAY ON TEST: 92
	DOSE: 6.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-42

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Mild

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 43	TRT#: 5	SEX: Male	DAY ON TEST: 92
	DOSE: 6.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-43

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Minimal
	SOA Epidermis	Parakeratosis	Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 44

TRT#: 5
DOSE: 6.0 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 92
HISTO: MB401M-44

OBSERVATIONS

Bone Marrow
Skin

SOA Epidermis
SOA Dermis, Sebaceous Gl
SOA Epidermis
SOA Epidermis
SOA Epidermis

Hyperplasia
Hyperkeratosis
Hyperplasia
Hyperplasia
Necrosis
Parakeratosis

Minimal
Minimal
Minimal
Minimal
Focal, Minimal
Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 45

TRT#: 5
DOSE: 6.0 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 92
HISTO: MB401M-45

OBSERVATIONS

Bone Marrow
Skin

SOA Epidermis
SOA Dermis, Sebaceous Gl
SOA Epidermis
SOA Epidermis

Hyperplasia
Hyperkeratosis
Hyperplasia
Hyperplasia
Parakeratosis

Minimal
Minimal
Minimal
Mild
Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
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: MB401M-46

OBSERVATIONS

Bone Marrow

Hyperplasia

Minimal

Skin

SOA Epidermis

Hyperkeratosis

Minimal

SOA Epidermis

Hyperplasia

Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
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: MB401M-47

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Mild
	SOA Epidermis	Necrosis	Focal, Minimal
	SOA Epidermis	Parakeratosis	Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 48	TRT#: 5	SEX: Male	DAY ON TEST: 92
	DOSE: 6.0 MG/KG	DISP: Accidentally Killed	HISTO: MB401M-48

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Epidermis	Hyperplasia	Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
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: MB401M-49

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Mild
	SOA Epidermis	Parakeratosis	Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 50	TRT#: 5	SEX: Male	DAY ON TEST: 92
	DOSE: 6.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-50

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Epidermis	Hyperplasia	Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 51

TRT#: 6

SEX: Male

DAY ON TEST: 92

DOSE: 18.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-51

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Minimal
Skin	SOA Epidermis	Exudate	Minimal
	SOA Dermis	Fibrosis	Mild
	SOA Epidermis	Hyperkeratosis	Mild
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Moderate
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal
	SOA Epidermis	Necrosis	Focal, Mild
	SOA Epidermis	Parakeratosis	Focal, Mild

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 52	TRT#: 6	SEX: Male	DAY ON TEST: 92
	DOSE: 18.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-52

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Brain	Epididymis	Esophagus	Eye
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	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach, Forestomach	Stomach, Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Gallbladder	Mammary Gland	Parathyroid Gland
-------------	---------------	-------------------

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Skin	SOA Dermis	Fibrosis	Mild
	SOA Epidermis	Hyperkeratosis	Mild
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Moderate
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal
Note: control skin is normal			
Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 53	TRT#: 6	SEX: Male	DAY ON TEST: 92
	DOSE: 18.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-53

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Eye	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
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Seminal Vesicle	Spleen	Stomach, Forestomach	Stomach, Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Mammary Gland
-------------	---------------

OBSERVATIONS

Salivary Glands		Infiltration Cellular	Lymphocyte, Focal, Minimal
Skin	SOA Epidermis	Exudate	Mild
	SOA Dermis	Fibrosis	Minimal
	SOA Epidermis	Hyperkeratosis	Mild
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Moderate
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal
	SOA Epidermis	Necrosis	Focal, Mild
	SOA Epidermis	Parakeratosis	Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 54	TRT#: 6	SEX: Male	DAY ON TEST: 92
	DOSE: 18.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-54

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node, Mandibular	Mammary Gland
------------------------	---------------

OBSERVATIONS

Skin	SOA Epidermis	Exudate	Mild
	SOA Dermis	Fibrosis	Minimal
	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Moderate
	SOA Dermis	Inflammation	Chronic Active, Focal, Mild
	SOA Epidermis	Necrosis	Focal, Mild
	SOA Epidermis	Parakeratosis	Focal, Minimal
	SOA Epidermis	Ulcer	Focal, Moderate

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 55

TRT#: 6

SEX: Male

DAY ON TEST: 92

DOSE: 18.0 MG/KG

DISP: Accidentally Killed

HISTO: MB401M-55

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Brain	Epididymis	Esophagus	Eye
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	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Spleen	Stomach, Forestomach	Stomach, Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Mammary Gland
-------------	---------------

OBSERVATIONS

Bone Marrow		Hyperplasia	Minimal
Skin	SOA Epidermis	Exudate	Minimal
	SOA Dermis	Fibrosis	Mild
	SOA Epidermis	Hyperkeratosis	Mild
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Moderate
	SOA Epidermis	Parakeratosis	Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 56	TRT#: 6	SEX: Male	DAY ON TEST: 92
	DOSE: 18.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-56

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Skin	SOA Dermis	Fibrosis	Mild
	SOA Epidermis	Hyperkeratosis	Mild
	SOA Dermis, Sebaceous Gl	Hyperplasia	Mild
	SOA Epidermis	Hyperplasia	Moderate
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal
	SOA Epidermis	Necrosis	Focal, Mild
	SOA Epidermis	Parakeratosis	Focal, Minimal
	SOA Epidermis	Ulcer	Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 57	TRT#: 6	SEX: Male	DAY ON TEST: 92
	DOSE: 18.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-57

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Minimal
Skin	SOA Epidermis	Exudate	Moderate
	SOA Dermis	Fibrosis	Mild
	SOA Epidermis	Hyperkeratosis	Moderate
	SOA Dermis, Sebaceous Gl	Hyperplasia	Mild
	SOA Epidermis	Hyperplasia	Moderate
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal
	SOA Epidermis	Parakeratosis	Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 58	TRT#: 6	SEX: Male	DAY ON TEST: 92
	DOSE: 18.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-58

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Eye	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
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Spleen	Stomach, Forestomach	Stomach, Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

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

INSUFFICIENT TISSUE

Gallbladder	Pituitary Gland
-------------	-----------------

OBSERVATIONS

Skin	SOA Dermis	Fibrosis	Minimal
	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Mild
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal
	SOA Epidermis	Parakeratosis	Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 59

TRT#: 6

SEX: Male

DAY ON TEST: 92

DOSE: 18.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-59

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Cortex		Inflammation	Suppurative, Minimal
Skin	SOA Dermis	Fibrosis	Mild
	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Mild
	SOA Epidermis	Hyperplasia	Mild
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal
	SOA Epidermis	Necrosis	Focal, Moderate
	SOA Epidermis	Parakeratosis	Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 60	TRT#: 6	SEX: Male	DAY ON TEST: 92
	DOSE: 18.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-60

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland	Pituitary Gland
---------------	-------------------	-----------------

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Mild
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal
	SOA Epidermis	Necrosis	Focal, Minimal
	SOA Epidermis	Parakeratosis	Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 61	TRT#: 7	SEX: Female	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB401M-61

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Esophagus	Eye	Heart
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland	Gallbladder	Parathyroid Gland
----------------	-------------	-------------------

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Liver		Inflammation	Chronic Active, Focal, Minimal
Skin			

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 62	TRT#: 7	SEX: Female	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB401M-62

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Esophagus	Eye	Gallbladder
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland
Trachea	Uterus		

MISSING

Clitoral Gland	Parathyroid Gland
----------------	-------------------

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Liver		Inflammation	Chronic Active, Focal, Minimal
Skin			
Note: control and SOA			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 63

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB401M-63

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Gallbladder	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Kidney		Infiltration Cellular	Mononuclear CI, Minimal
Liver		Inflammation	Chronic Active, Focal, Minimal
Skin			

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 64	TRT#: 7	SEX: Female	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB401M-64

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Gallbladder	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Skin
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Focal, Minimal
Skin			

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 65	TRT#: 7	SEX: Female	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB401M-65

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Gallbladder	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Skin
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Focal, Minimal
Skin			

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 66	TRT#: 7	SEX: Female	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB401M-66

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Gallbladder	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Skin			
Note: control and SOA			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 67

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB401M-67

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Eye	Gallbladder	Heart	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 68

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB401M-68

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Esophagus	Eye	Gallbladder
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Skin			
Note: control and SOA			
Thymus		Ectopic Thyroid	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 69	TRT#: 7	SEX: Female	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB401M-69

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Gallbladder	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland	Thyroid Gland
-------------------	---------------

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Skin			
Note: control and SOA			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 70	TRT#: 7	SEX: Female	DAY ON TEST: 92
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB401M-70

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Gallbladder	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Skin			

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 71	TRT#: 8	SEX: Female	DAY ON TEST: 92
	DOSE: 0.2 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-71

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin	Spleen
------	--------

OBSERVATIONS

Skin
Note: control and SOA

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 72

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 0.2 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-72

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

Spleen

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 73	TRT#: 8	SEX: Female	DAY ON TEST: 92
	DOSE: 0.2 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-73

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Skin

Note: control and SOA

Spleen

Hematopoietic Cell Proliferation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 74	TRT#: 8	SEX: Female	DAY ON TEST: 92
	DOSE: 0.2 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-74

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin Spleen

OBSERVATIONS

Skin
Note: control and SOA

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 75

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 0.2 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-75

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

Spleen

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 76

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 0.2 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-76

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

Spleen

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 77	TRT#: 8	SEX: Female	DAY ON TEST: 92
	DOSE: 0.2 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-77

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin	Spleen
------	--------

OBSERVATIONS

Skin
Note: control and SOA

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 78	TRT#: 8	SEX: Female	DAY ON TEST: 92
	DOSE: 0.2 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-78

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Skin

Note: control and SOA

Spleen

Hematopoietic Cell Proliferation

Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 79

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 0.2 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-79

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Skin

Note: control and SOA

Spleen

Hematopoietic Cell Proliferation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 80	TRT#: 8	SEX: Female	DAY ON TEST: 92
	DOSE: 0.2 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-80

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin	Spleen
------	--------

OBSERVATIONS

Skin
Note: control and SOA

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 81	TRT#: 9	SEX: Female	DAY ON TEST: 92
	DOSE: 0.6 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-81

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin	Spleen
------	--------

OBSERVATIONS

Skin
Note: control skin is normal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 82	TRT#: 9	SEX: Female	DAY ON TEST: 92
	DOSE: 0.6 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-82

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin	Spleen
------	--------

OBSERVATIONS

Skin
Note: control and SOA

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 83

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 0.6 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-83

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

Spleen

OBSERVATIONS

Skin

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 84	TRT#: 9	SEX: Female	DAY ON TEST: 92
	DOSE: 0.6 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-84

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Skin	SOA Epidermis	Hyperplasia	Minimal
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 85

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 0.6 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-85

OBSERVATIONS

Skin

SOA Epidermis

Hyperkeratosis

Minimal

SOA Dermis

Inflammation

Chronic Active, Focal, Minimal

Note: control skin is normal

Spleen

Hematopoietic Cell Proliferation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 86

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 0.6 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-86

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Skin

Note: control and SOA

Spleen

Hematopoietic Cell Proliferation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 87	TRT#: 9	SEX: Female	DAY ON TEST: 92
	DOSE: 0.6 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-87

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Epidermis	Hyperplasia	Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 88	TRT#: 9	SEX: Female	DAY ON TEST: 92
	DOSE: 0.6 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-88

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
------	---------------	----------------	---------

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 89

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 0.6 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-89

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

Spleen

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 90

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 0.6 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-90

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

Spleen

OBSERVATIONS

Skin

Note: control and SOA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:08:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 91

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 2.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-91

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Skin

Note: control and SOA

Spleen

Hematopoietic Cell Proliferation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 92	TRT#: 10	SEX: Female	DAY ON TEST: 92
	DOSE: 2.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-92

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Skin

Note: control and SOA

Spleen

Hematopoietic Cell Proliferation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 93	TRT#: 10 DOSE: 2.0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB401M-93
OBSERVATIONS			
Skin	SOA Epidermis SOA Epidermis	Hyperkeratosis Hyperplasia	Minimal Minimal
Note: control skin is normal			
Spleen		Hematopoietic Cell Proliferation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 94	TRT#: 10	SEX: Female	DAY ON TEST: 92
	DOSE: 2.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-94

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ovary	Spleen
-------	--------

OBSERVATIONS

Ovary			
Note: TGL1 - no corresponding lesion			
Skin	SOA Epidermis	Hyperplasia	Minimal
Note: control skin is normal			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 95	TRT#: 10 DOSE: 2.0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB401M-95
OBSERVATIONS			
Skin	SOA Epidermis SOA Epidermis	Hyperkeratosis Hyperplasia	Minimal Minimal
Note: control skin is normal			
Spleen		Hematopoietic Cell Proliferation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 96	TRT#: 10	SEX: Female	DAY ON TEST: 92
	DOSE: 2.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-96

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Skin	SOA Epidermis	Exudate	Minimal
	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Epidermis	Hyperplasia	Minimal
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 97	TRT#: 10 DOSE: 2.0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB401M-97
OBSERVATIONS			
Skin	SOA Epidermis SOA Epidermis	Hyperkeratosis Hyperplasia	Minimal Minimal
Note: control skin is normal			
Spleen		Hematopoietic Cell Proliferation	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 98	TRT#: 10	SEX: Female	DAY ON TEST: 92
	DOSE: 2.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-98

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Epidermis	Hyperplasia	Minimal
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 99	TRT#: 10 DOSE: 2.0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB401M-99
OBSERVATIONS			
Skin	SOA Epidermis SOA Epidermis SOA Dermis	Hyperkeratosis Hyperplasia Inflammation	Minimal Minimal Chronic Active, Focal, Minimal
Note: control skin is normal			
Spleen		Hematopoietic Cell Proliferation	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 100

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 2.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Skin

SOA Epidermis

Hyperkeratosis

Minimal

SOA Epidermis

Hyperplasia

Minimal

SOA Dermis

Inflammation

Chronic Active, Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 101

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 6.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Skin

SOA Epidermis

Hyperkeratosis

Minimal

SOA Epidermis

Hyperplasia

Mild

SOA Dermis

Inflammation

Chronic Active, Focal, Minimal

SOA Epidermis

Necrosis

Focal, Minimal

SOA Epidermis

Parakeratosis

Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 102

TRT#: 11
DOSE: 6.0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 92
HISTO: MB401M-102

OBSERVATIONS

Skin

SOA Epidermis
SOA Dermis, Sebaceous Gl
SOA Epidermis

Hyperkeratosis
Hyperplasia
Hyperplasia

Minimal
Minimal
Minimal

Note: control skin is normal

Spleen

Hematopoietic Cell Proliferation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
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: MB401M-103

OBSERVATIONS

Skin

SOA Epidermis
SOA Dermis, Sebaceous Gl
SOA Epidermis
SOA Dermis

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation

Mild
Minimal
Minimal
Chronic Active, Focal, Minimal

Note: control skin is normal

Spleen

Hematopoietic Cell Proliferation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 104

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 6.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Skin

SOA Epidermis

Hyperkeratosis

Minimal

SOA Dermis, Sebaceous Gl

Hyperplasia

Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 105

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 6.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Skin

SOA Epidermis

Hyperkeratosis

Minimal

SOA Dermis, Sebaceous Gl

Hyperplasia

Minimal

SOA Epidermis

Hyperplasia

Minimal

SOA Dermis

Inflammation

Chronic Active, Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
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: MB401M-106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Skin

SOA Epidermis

Hyperkeratosis

Minimal

SOA Epidermis

Hyperplasia

Mild

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
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: MB401M-107

OBSERVATIONS

Skin

SOA Epidermis
SOA Epidermis

Hyperkeratosis
Hyperplasia

Minimal
Minimal

Note: control skin is normal

Spleen

Hematopoietic Cell Proliferation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 108	TRT#: 11	SEX: Female	DAY ON TEST: 92
	DOSE: 6.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Epidermis	Hyperplasia	Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 109

TRT#: 11
DOSE: 6.0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 92
HISTO: MB401M-109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Skin	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
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: MB401M-110

OBSERVATIONS

Skin

SOA Epidermis
SOA Epidermis
SOA Dermis

Hyperkeratosis
Hyperplasia
Inflammation

Minimal
Minimal
Chronic Active, Focal, Minimal

Note: control skin is normal

Spleen

Hematopoietic Cell Proliferation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 111	TRT#: 12	SEX: Female	DAY ON TEST: 92
	DOSE: 18.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Esophagus	Eye	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
Pituitary Gland	Salivary Glands	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland	Gallbladder	Parathyroid Gland
----------------	-------------	-------------------

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Skin	SOA Dermis	Fibrosis	Mild
	SOA Epidermis	Hyperkeratosis	Moderate
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Mild
Note: control skin is normal			
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 112

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 18.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Esophagus	Eye	Gallbladder
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Skin	SOA Dermis	Fibrosis	Minimal
	SOA Epidermis	Hyperkeratosis	Mild
	SOA Dermis, Sebaceous Gl	Hyperplasia	Mild
	SOA Epidermis	Hyperplasia	Mild
Note: control skin is normal			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 113

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 18.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Esophagus	Eye	Gallbladder
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland	Parathyroid Gland
----------------	-------------------

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Skin	SOA Dermis	Fibrosis	Minimal
	SOA Epidermis	Hyperkeratosis	Mild
	SOA Dermis, Sebaceous Gl	Hyperplasia	Mild
	SOA Epidermis	Hyperplasia	Mild

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 18.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Gallbladder	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Skin	SOA Dermis	Fibrosis	Minimal
	SOA Epidermis	Hyperkeratosis	Mild
	SOA Dermis, Sebaceous Gl	Hyperplasia	Mild
	SOA Epidermis	Hyperplasia	Mild
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal

Note: control skin is normal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 115	TRT#: 12	SEX: Female	DAY ON TEST: 92
	DOSE: 18.0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB401M-115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Gallbladder	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Ovary
Pancreas	Salivary Glands	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland	Pituitary Gland
-------------------	-----------------

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Nose	Respirat Epith, Septum	Hyaline Droplet	Minimal
Skin	SOA Epidermis	Hyperkeratosis	Mild
	SOA Dermis, Sebaceous Gl	Hyperplasia	Mild
	SOA Epidermis	Hyperplasia	Mild
Note: control skin is normal			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 116

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 18.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Gallbladder	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Skin	SOA Dermis	Fibrosis	Minimal
	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Minimal
	SOA Epidermis	Hyperplasia	Mild
Note: control skin is normal			
Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 117

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 18.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Brain
Clitoral Gland	Esophagus	Eye	Gallbladder
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Bone Marrow		Hyperplasia	Mild
Skin	SOA Dermis	Fibrosis	Minimal
	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Mild
	SOA Epidermis	Hyperplasia	Mild
Note: control skin is normal			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 18.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Esophagus	Eye	Gallbladder
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Skin	SOA Epidermis	Exudate	Mild
	SOA Dermis	Fibrosis	Minimal
	SOA Epidermis	Hyperkeratosis	Mild
	SOA Dermis, Sebaceous Gl	Hyperplasia	Mild
	SOA Epidermis	Hyperplasia	Mild
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal
	SOA Epidermis	Necrosis	Focal, Minimal
	SOA Epidermis	Parakeratosis	Focal, Minimal
Note: control skin is normal			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 119

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 18.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Gallbladder	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node, Mandibular
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Brain			
Note: hindbrain missing at tissue trimming			
Liver	Hepatocyte	Necrosis	Focal, Minimal
Skin	SOA Dermis	Fibrosis	Minimal
	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Mild
	SOA Epidermis	Hyperplasia	Mild
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal
	SOA Epidermis	Parakeratosis	Focal, Minimal
Note: control skin is normal			
Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-06
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:08:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 120

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 18.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB401M-120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Esophagus	Eye	Gallbladder
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	Trachea
Uterus			

MISSING

Clitoral Gland	Parathyroid Gland
----------------	-------------------

OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
Skin	SOA Dermis	Fibrosis	Minimal
	SOA Epidermis	Hyperkeratosis	Minimal
	SOA Dermis, Sebaceous Gl	Hyperplasia	Mild
	SOA Epidermis	Hyperplasia	Mild
	SOA Dermis	Inflammation	Chronic Active, Focal, Minimal
Note: control skin is normal			
Spleen		Hematopoietic Cell Proliferation	Minimal
Urinary Bladder		Infiltration Cellular	Minimal

PRIMARY CAUSE OF DEATH -

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE