

Experiment Number: 97003-02
Test Type: 14-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: 01:01:21
First Dose M/F: NA / NA
Lab: MBA

C Number:	C97003B
Lock Date:	03/31/1999
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: 97003-02
Test Type: 14-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: 01:01:21
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 17
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB350M-1

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02

Test Type: 14-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: 01:01:21

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB350M-2

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02

Test Type: 14-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: 01:01:22

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB350M-3

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02

Test Type: 14-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: 01:01:22

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB350M-4

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02

Test Type: 14-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: 01:01:22

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB350M-5

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02

Test Type: 14-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: 01:01:22

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 6	TRT#: 2 DOSE: 75 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 17 HISTO: MB350M-6
OBSERVATIONS			
Skin	Epidermis, SOA SOA, Sebaceous GI SOA Epidermis, SOA SOA	Hyperplasia Hyperplasia Inflammation Necrosis Parakeratosis	Moderate Mild Chronic Active, Minimal Mild Minimal
[Hyperplasia TGLS = 1-1 Epidermis, Skin SOA]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 7	TRT#: 2 DOSE: 75 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 17 HISTO: MB350M-7
OBSERVATIONS			
Skin	SOA Epidermis, SOA SOA, Sebaceous GI SOA SOA	Hyperkeratosis Hyperplasia Hyperplasia Inflammation Parakeratosis	Moderate Marked Focal, Mild Chronic Active, Mild Minimal
[Hyperplasia TGLS = 1-1 Epidermis, Skin SOA]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 8	TRT#: 2 DOSE: 75 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 17 HISTO: MB350M-8
OBSERVATIONS			
Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA, Sebaceous GI	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Mild
	Epidermis, SOA	Necrosis	Mild
	SOA	Parakeratosis	Minimal
[Hyperplasia TGLS = 1-1 Epidermis, Skin SOA]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 9	TRT#: 2 DOSE: 75 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 17 HISTO: MB350M-9
OBSERVATIONS			
Skin	SOA Epidermis, SOA SOA, Sebaceous GI SOA SOA Epidermis, SOA	Hyperkeratosis Hyperplasia Hyperplasia Inflammation Parakeratosis Ulcer	Mild Moderate Minimal Chronic Active, Mild Minimal Moderate
[Ulcer TGLS = 1-1]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 10

TRT#: 2
DOSE: 75 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-10

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA, Sebaceous GI
SOA
Epidermis, SOA
SOA

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Parakeratosis

Mild
Mild
Mild
Chronic Active, Minimal
Moderate
Minimal

[Hyperplasia TGLS = 1-1 Epidermis, Skin SOA]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 11

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-11

OBSERVATIONS

Skin

Epidermis, SOA
SOA, Sebaceous GI
SOA
Epidermis, SOA
SOA
Epidermis, SOA

Hyperplasia
Hyperplasia
Inflammation
Necrosis
Parakeratosis
Ulcer

Mild
Minimal
Chronic Active, Moderate
Mild
Minimal
Marked

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 12

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-12

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Marked

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Mild

Epidermis, SOA

Ulcer

Marked

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 13

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-13

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Minimal

Epidermis, SOA

Ulcer

Marked

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 14

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-14

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Minimal

Epidermis, SOA

Ulcer

Moderate

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 15

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-15

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Minimal

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Minimal

[Hyperplasia TGLS = 1-1 Epidermis, Skin SOA]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 16

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-16

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

Dermis, SOA

Necrosis

Moderate

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Minimal

Epidermis, SOA

Ulcer

Marked

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 17

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-17

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Moderate

Epidermis, SOA

Hyperplasia

Marked

SOA

Inflammation

Chronic Active, Moderate

Dermis, SOA

Necrosis

Mild

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Mild

Epidermis, SOA

Ulcer

Moderate

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 18

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-18

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Dermis, SOA

Necrosis

Minimal

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Mild

Epidermis, SOA

Ulcer

Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 19

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-19

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

Epidermis, SOA

Necrosis

Moderate

SOA

Parakeratosis

Mild

Epidermis, SOA

Ulcer

Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 20

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-20

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Marked

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

Dermis, SOA

Necrosis

Mild

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Mild

Epidermis, SOA

Ulcer

Moderate

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 21

TRT#: 5
DOSE: 600 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-21

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA, Sebaceous GI
SOA
Epidermis, SOA
SOA
Epidermis, SOA

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Parakeratosis
Ulcer

Mild
Moderate
Minimal
Chronic Active, Moderate
Mild
Minimal
Marked

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 22

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-22

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Marked

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Moderate

Dermis, SOA

Necrosis

Mild

Epidermis, SOA

Necrosis

Marked

SOA

Parakeratosis

Mild

Epidermis, SOA

Ulcer

Minimal

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 23

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-23

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Moderate

Epidermis, SOA

Hyperplasia

Marked

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Moderate

Dermis, SOA

Necrosis

Mild

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Mild

Epidermis, SOA

Ulcer

Marked

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 24

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-24

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Moderate

Epidermis, SOA

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

Dermis, SOA

Necrosis

Mild

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Mild

Epidermis, SOA

Ulcer

Minimal

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 25

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-25

OBSERVATIONS

Skin

SOA

Inflammation

Chronic Active, Marked

Dermis, SOA

Necrosis

Marked

Epidermis, SOA

Necrosis

Moderate

Epidermis, SOA

Ulcer

Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 26

TRT#: 6
DOSE: 1200 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-26

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA
Dermis, SOA
Epidermis, SOA
SOA
Epidermis, SOA

Hyperkeratosis
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis
Ulcer

Mild
Marked
Chronic Active, Moderate
Marked
Marked
Mild
Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 27

TRT#: 6
DOSE: 1200 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-27

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA
Dermis, SOA
Epidermis, SOA
SOA
Epidermis, SOA

Hyperkeratosis
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis
Ulcer

Moderate
Moderate
Chronic Active, Marked
Moderate
Moderate
Minimal
Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 28

TRT#: 6
DOSE: 1200 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-28

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA, Sebaceous GI
SOA
Dermis, SOA
Epidermis, SOA
SOA
Epidermis, SOA

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis
Ulcer

Mild
Moderate
Minimal
Chronic Active, Marked
Marked
Marked
Mild
Moderate

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 29

TRT#: 6
DOSE: 1200 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-29

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA, Sebaceous GI
SOA
Dermis, SOA
Epidermis, SOA
SOA
Epidermis, SOA

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis
Ulcer

Mild
Moderate
Mild
Chronic Active, Mild
Moderate
Moderate
Mild
Minimal

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 30

TRT#: 6

SEX: Male

DAY ON TEST: 17

DOSE: 1200 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-30

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Moderate

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Marked

Dermis, SOA

Necrosis

Moderate

Epidermis, SOA

Necrosis

Moderate

SOA

Parakeratosis

Mild

Epidermis, SOA

Ulcer

Minimal

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02

Test Type: 14-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: 01:01:22

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 31

TRT#: 7

SEX: Female

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB350M-31

OBSERVATIONS

Skin

Epidermis, SOA

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02

Test Type: 14-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: 01:01:22

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 32

TRT#: 7

SEX: Female

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB350M-32

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 33

TRT#: 7

SEX: Female

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB350M-33

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02

Test Type: 14-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: 01:01:22

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 34

TRT#: 7

SEX: Female

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB350M-34

OBSERVATIONS

Skin

SOA

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 35	TRT#: 7	SEX: Female	DAY ON TEST: 17
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB350M-35

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Lymph Node, Mandibular

Hyperplasia

Diffuse, Moderate

[Hyperplasia TGLS = 1-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 36

TRT#: 8

SEX: Female

DAY ON TEST: 17

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-36

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Dermis, SOA

Necrosis

Minimal

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Mild

[Hyperplasia TGLS = 1-1 Epidermis, Skin SOA]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 37

TRT#: 8
DOSE: 75 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-37

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA, Sebaceous GI
SOA
Dermis, SOA
Epidermis, SOA
SOA

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis

Mild
Moderate
Minimal
Chronic Active, Mild
Minimal
Minimal
Minimal

[Hyperplasia TGLS = 1-1 Epidermis, Skin SOA]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 38

TRT#: 8
DOSE: 75 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-38

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA, Sebaceous GI
SOA
Dermis, SOA
Epidermis, SOA
SOA
Epidermis, SOA

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis
Ulcer

Mild
Marked
Minimal
Chronic Active, Moderate
Mild
Moderate
Mild
Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 39

TRT#: 8

SEX: Female

DAY ON TEST: 17

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-39

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Marked

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Dermis, SOA

Necrosis

Minimal

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Mild

Epidermis, SOA

Ulcer

Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 40

TRT#: 8

SEX: Female

DAY ON TEST: 17

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-40

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Moderate

[Hyperplasia TGLS = 1-1 Epidermis, Skin SOA]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 41

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-41

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Moderate

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Dermis, SOA

Necrosis

Mild

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Minimal

Epidermis, SOA

Ulcer

Minimal

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 42

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-42

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Moderate

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Dermis, SOA

Necrosis

Minimal

Epidermis, SOA

Necrosis

Moderate

SOA

Parakeratosis

Mild

[Hyperplasia TGLS = 1-1 Epidermis, Skin SOA]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 43

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-43

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

Dermis, SOA

Necrosis

Mild

Epidermis, SOA

Necrosis

Moderate

SOA

Parakeratosis

Mild

Epidermis, SOA

Ulcer

Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 44

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-44

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Moderate

Dermis, SOA

Necrosis

Minimal

Epidermis, SOA

Necrosis

Marked

Epidermis, SOA

Ulcer

Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 45

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-45

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

Dermis, SOA

Necrosis

Moderate

Epidermis, SOA

Necrosis

Mild

Epidermis, SOA

Ulcer

Marked

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 46

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-46

OBSERVATIONS

Skin

Epidermis, SOA
SOA, Sebaceous GI
SOA
Dermis, SOA
Epidermis, SOA
SOA
Epidermis, SOA

Hyperplasia
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis
Ulcer

Moderate
Mild
Chronic Active, Moderate
Moderate
Moderate
Minimal
Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 47

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-47

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Mild

Dermis, SOA

Necrosis

Mild

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Mild

[Hyperplasia TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 48

TRT#: 10
DOSE: 300 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-48

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA, Sebaceous GI
SOA
Dermis, SOA
Epidermis, SOA
SOA
Epidermis, SOA

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis
Ulcer

Minimal
Mild
Minimal
Chronic Active, Moderate
Moderate
Marked
Minimal
Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 49

TRT#: 10
DOSE: 300 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-49

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA, Sebaceous GI
SOA
Dermis, SOA
Epidermis, SOA
SOA

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis

Mild
Moderate
Moderate
Chronic Active, Moderate
Moderate
Moderate
Mild

[Necrosis TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 50

TRT#: 10
DOSE: 300 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-50

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA, Sebaceous GI
SOA
Dermis, SOA
Epidermis, SOA
SOA

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis

Mild
Moderate
Mild
Chronic Active, Mild
Minimal
Mild
Mild

[Hyperplasia TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 51

TRT#: 11

SEX: Female

DAY ON TEST: 17

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-51

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

SOA

Parakeratosis

Moderate

Epidermis, SOA

Ulcer

Moderate

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 52

TRT#: 11

SEX: Female

DAY ON TEST: 17

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-52

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Dermis, SOA

Necrosis

Minimal

Epidermis, SOA

Necrosis

Minimal

SOA

Parakeratosis

Moderate

Epidermis, SOA

Ulcer

Minimal

[Hyperplasia TGLS = 1-1 Epidermis, Skin SOA]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 53

TRT#: 11
DOSE: 600 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-53

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA, Sebaceous GI
SOA
Epidermis, SOA
SOA
Epidermis, SOA

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Parakeratosis
Ulcer

Mild
Moderate
Minimal
Chronic Active, Mild
Mild
Mild
Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 54

TRT#: 11
DOSE: 600 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-54

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA, Sebaceous GI
SOA
Dermis, SOA
Epidermis, SOA
SOA
Epidermis, SOA

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis
Ulcer

Mild
Moderate
Mild
Chronic Active, Moderate
Marked
Marked
Mild
Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 55

TRT#: 11

SEX: Female

DAY ON TEST: 17

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: MB350M-55

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

Dermis, SOA

Necrosis

Moderate

Epidermis, SOA

Necrosis

Moderate

SOA

Parakeratosis

Minimal

Epidermis, SOA

Ulcer

Moderate

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 56

TRT#: 12
DOSE: 1200 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-56

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA, Sebaceous GI
SOA
Dermis, SOA
Epidermis, SOA
SOA
Epidermis, SOA

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis
Ulcer

Mild
Moderate
Mild
Chronic Active, Moderate
Minimal
Mild
Minimal
Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 57

TRT#: 12
DOSE: 1200 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-57

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA, Sebaceous GI
SOA
Dermis, SOA
Epidermis, SOA
SOA

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis

Mild
Moderate
Mild
Chronic Active, Marked
Marked
Marked
Mild

[Necrosis TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 58

TRT#: 12
DOSE: 1200 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-58

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA
Dermis, SOA
Epidermis, SOA
SOA
Epidermis, SOA

Hyperkeratosis
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis
Ulcer

Minimal
Mild
Chronic Active, Marked
Marked
Marked
Minimal
Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 59	TRT#: 12 DOSE: 1200 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 17 HISTO: MB350M-59
OBSERVATIONS			
Skin	SOA Epidermis, SOA SOA Dermis, SOA Epidermis, SOA Epidermis, SOA	Hyperkeratosis Hyperplasia Inflammation Necrosis Necrosis Ulcer	Mild Moderate Chronic Active, Marked Marked Marked Mild
	[Hyperplasia TGLS = 2-1 Epidermis, Skin SOA] [Ulcer TGLS = 1-1]		
Spleen		Hematopoietic Cell Proliferation	Diffuse, Marked
	[Hematopoietic Cell Proliferation TGLS = 3-1]		
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-02
Test Type: 14-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: 01:01:22
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 60

TRT#: 12
DOSE: 1200 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB350M-60

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA
Dermis, SOA
Epidermis, SOA
SOA
Epidermis, SOA

Hyperkeratosis
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis
Ulcer

Moderate
Moderate
Chronic Active, Moderate
Marked
Marked
Minimal
Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****