

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
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: 97003-01

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014

Time Report Requested: 16:24:28

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: MB349M-1

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Liver

Hepatodiaphragmatic Nodule

[Hepatodiaphragmatic Nodule TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014

Time Report Requested: 16:24:28

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: MB349M-2

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
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: MB349M-3

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014

Time Report Requested: 16:24:28

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: MB349M-4

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
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: MB349M-5

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 6	TRT#: 2 DOSE: 37.5 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 17 HISTO: MB349M-6
OBSERVATIONS			
Skin	SOA Epidermis, SOA SOA, Sebaceous GI SOA	Hyperkeratosis Hyperplasia Hyperplasia Inflammation	Minimal Mild Mild Chronic Active, Minimal
[Hyperplasia TGLS = 1-1 Epidermis, Skin SOA]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 7	TRT#: 2 DOSE: 37.5 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 17 HISTO: MB349M-7
OBSERVATIONS			
Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Mild
	Epidermis, SOA	Necrosis	Moderate
	SOA	Parakeratosis	Mild
[Hyperplasia TGLS = 1-1]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 8	TRT#: 2 DOSE: 37.5 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 17 HISTO: MB349M-8
OBSERVATIONS			
Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Mild
	Epidermis, SOA	Necrosis	Moderate
	SOA	Parakeratosis	Mild
[Hyperplasia TGLS = 1-1 Epidermis, Skin SOA]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 9	TRT#: 2 DOSE: 37.5 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 17 HISTO: MB349M-9
OBSERVATIONS			
Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	Epidermis, SOA	Necrosis	Mild
	SOA	Necrosis	Mild
	SOA	Parakeratosis	Minimal
	Epidermis, SOA	Ulcer	Minimal
[Ulcer TGLS = 1-1]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 10

TRT#: 2

SEX: Male

DAY ON TEST: 17

DOSE: 37.5 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-10

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Minimal

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 11

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-11

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Minimal

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Minimal

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 12

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-12

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Minimal

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 13

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-13

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Mild

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 14

TRT#: 3
DOSE: 75 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB349M-14

OBSERVATIONS

Skin

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

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis

Minimal
Moderate
Moderate
Chronic Active, Mild
Mild

[Hyperplasia TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 15

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-15

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Dermis, SOA

Necrosis

Mild

Epidermis, SOA

Necrosis

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 1 = NCL (No Correlating Lesion)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 16

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-16

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Mild

Epidermis, SOA

Necrosis

Marked

SOA

Parakeratosis

Minimal

Epidermis, SOA

Ulcer

Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 17

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-17

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

Epidermis, SOA

Necrosis

Mild

Epidermis, SOA

Ulcer

Marked

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 18

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-18

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Mild

Epidermis, SOA

Necrosis

Moderate

SOA

Parakeratosis

Minimal

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 19

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-19

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Minimal

Epidermis, SOA

Ulcer

Moderate

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 20

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-20

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Epidermis, SOA

Necrosis

Mild

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 21

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-21

OBSERVATIONS

Skin

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

Hyperplasia
Hyperplasia
Inflammation
Necrosis
Ulcer

Mild
Moderate
Chronic Active, Mild
Marked
Minimal

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 22

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-22

OBSERVATIONS

Skin

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

Hyperplasia
Hyperplasia
Inflammation
Necrosis
Ulcer

Moderate
Mild
Chronic Active, Moderate
Marked
Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 23

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-23

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Minimal

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Minimal

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 24

TRT#: 5
DOSE: 300 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB349M-24

OBSERVATIONS

Skin

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

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Ulcer

Mild
Moderate
Mild
Chronic Active, Moderate
Mild
Marked

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 25

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-25

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

Epidermis, SOA

Necrosis

Moderate

SOA

Parakeratosis

Minimal

Epidermis, SOA

Ulcer

Marked

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 26

TRT#: 6

SEX: Male

DAY ON TEST: 17

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-26

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Mild

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: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 27

TRT#: 6

SEX: Male

DAY ON TEST: 17

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-27

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Epidermis, SOA

Necrosis

Mild

Epidermis, SOA

Ulcer

Minimal

[Ulcer TGLS = 2-1]

Spleen

Accessory Spleen

Hematopoietic Cell Proliferation

Diffuse, Mild

[Accessory Spleen TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 28

TRT#: 6

SEX: Male

DAY ON TEST: 17

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-28

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 29

TRT#: 6

SEX: Male

DAY ON TEST: 17

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-29

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Moderate

Epidermis, SOA

Ulcer

Marked

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 30

TRT#: 6

SEX: Male

DAY ON TEST: 17

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-30

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Mild

Epidermis, SOA

Necrosis

Mild

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014

Time Report Requested: 16:24:28

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: MB349M-31

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014

Time Report Requested: 16:24:28

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: MB349M-32

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014

Time Report Requested: 16:24:28

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: MB349M-33

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014

Time Report Requested: 16:24:28

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: MB349M-34

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014

Time Report Requested: 16:24:28

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: MB349M-35

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 36

TRT#: 8

SEX: Female

DAY ON TEST: 17

DOSE: 37.5 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-36

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Minimal

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 37

TRT#: 8

SEX: Female

DAY ON TEST: 17

DOSE: 37.5 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-37

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Epidermis, SOA

Necrosis

Minimal

SOA

Parakeratosis

Minimal

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 38

TRT#: 8

SEX: Female

DAY ON TEST: 17

DOSE: 37.5 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-38

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Moderate

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Minimal

SOA

Parakeratosis

Minimal

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 39	TRT#: 8 DOSE: 37.5 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 17 HISTO: MB349M-39
OBSERVATIONS			
Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Minimal
	Epidermis, SOA	Necrosis	Minimal
	SOA	Parakeratosis	Minimal
[Hyperplasia TGLS = 1-1 Epidermis, Skin SOA]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 40

TRT#: 8

SEX: Female

DAY ON TEST: 17

DOSE: 37.5 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-40

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Minimal

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Minimal

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014

Time Report Requested: 16:24:28

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 41

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-41

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Epidermis, SOA

Necrosis

Moderate

SOA

Parakeratosis

Minimal

Epidermis, SOA

Ulcer

Minimal

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 42

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-42

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Mild

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: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 43

TRT#: 9
DOSE: 75 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB349M-43

OBSERVATIONS

Skin

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

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Parakeratosis
Ulcer

Minimal
Mild
Minimal
Chronic Active, Mild
Mild
Minimal
Minimal

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 44

TRT#: 9
DOSE: 75 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB349M-44

OBSERVATIONS

Skin

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

Hyperplasia
Hyperplasia
Inflammation
Necrosis
Ulcer

Mild
Minimal
Chronic Active, Mild
Moderate
Minimal

[Hyperplasia TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 45

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-45

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Minimal

SOA, Sebaceous GI

Hyperplasia

Minimal

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 46

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-46

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Minimal

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

SOA

Parakeratosis

Minimal

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 47

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-47

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Minimal

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Minimal

Epidermis, SOA

Necrosis

Minimal

SOA

Parakeratosis

Minimal

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 48

TRT#: 10
DOSE: 150 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB349M-48

OBSERVATIONS

Skin

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

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Parakeratosis
Ulcer

Minimal
Mild
Minimal
Chronic Active, Moderate
Mild
Minimal
Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 49

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-49

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Epidermis, SOA

Necrosis

Minimal

SOA

Parakeratosis

Minimal

[Hyperplasia TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 50

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-50

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Moderate

Epidermis, SOA

Necrosis

Mild

SOA

Parakeratosis

Mild

[Hyperplasia TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 51

TRT#: 11
DOSE: 300 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB349M-51

OBSERVATIONS

Skin

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

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Parakeratosis
Ulcer

Minimal
Mild
Mild
Chronic Active, Moderate
Mild
Minimal
Moderate

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 52

TRT#: 11
DOSE: 300 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB349M-52

OBSERVATIONS

Skin

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

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Necrosis
Parakeratosis

Minimal
Mild
Moderate
Chronic Active, Mild
Minimal
Mild
Mild

[Hyperplasia TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 53

TRT#: 11
DOSE: 300 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB349M-53

OBSERVATIONS

Skin

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

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Parakeratosis

Minimal
Mild
Mild
Chronic Active, Mild
Moderate
Minimal

[Hyperplasia TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 54

TRT#: 11
DOSE: 300 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB349M-54

OBSERVATIONS

Skin

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

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Parakeratosis

Mild
Mild
Minimal
Chronic Active, Mild
Mild
Mild

[Hyperplasia TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 55

TRT#: 11

SEX: Female

DAY ON TEST: 17

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-55

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Minimal

SOA

Parakeratosis

Mild

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 56

TRT#: 12
DOSE: 600 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB349M-56

OBSERVATIONS

Skin

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

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Parakeratosis
Ulcer

Moderate
Moderate
Mild
Chronic Active, Mild
Minimal
Moderate
Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 57

TRT#: 12
DOSE: 600 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB349M-57

OBSERVATIONS

Skin

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

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Parakeratosis
Ulcer

Mild
Moderate
Mild
Chronic Active, Moderate
Mild
Minimal
Moderate

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 58

TRT#: 12
DOSE: 600 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB349M-58

OBSERVATIONS

Skin

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

Hyperkeratosis
Hyperplasia
Hyperplasia
Inflammation
Necrosis
Ulcer

Mild
Mild
Mild
Chronic Active, Mild
Mild
Mild

[Ulcer TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 59

TRT#: 12

SEX: Female

DAY ON TEST: 17

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: MB349M-59

OBSERVATIONS

Skin

SOA

Hyperkeratosis

Mild

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Epidermis, SOA

Necrosis

Minimal

SOA

Parakeratosis

Minimal

Epidermis, SOA

Ulcer

Mild

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97003-01
Test Type: 14-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/19/2014
Time Report Requested: 16:24:28
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 60

TRT#: 12
DOSE: 600 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 17
HISTO: MB349M-60

OBSERVATIONS

Skin

SOA
Epidermis, SOA
SOA
SOA

Hyperkeratosis
Hyperplasia
Inflammation
Parakeratosis

Minimal
Mild
Chronic Active, Mild
Minimal

[Hyperplasia TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****