

Experiment Number: 92013-02
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 10/16/2014
Time Report Requested: 17:14:07
First Dose M/F: NA / NA
Lab: MBA

C Number:	C92013
Lock Date:	01/12/1995
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: 92013-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014

Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male	VEHICLE CONTROL	DAY ON TEST	0	0	0	0	0		
			0	0	0	0	0		
			1	1	1	1	1		
			5	5	5	5	5		
			5	5	5	5	5		
	ANIMAL ID	0	0	0	0	0			
		0	0	0	0	0			
		0	0	0	0	0			
		0	0	0	0	0			
		1	2	3	4	5		*TOTALS	

Alimentary System

Liver	+	+	+	+	+	5	
Necrosis, Focal	1						1 1.0
Periportal, Vacuolization Cytoplasmic	2	2		2			3 2.0
Vacuolization Cytoplasmic, Diffuse			2		2		2 2.0
Stomach, Forestomach	+	+	+	+	+	5	
Stomach, Glandular	+	+	+	+	+	5	

Cardiovascular System

Heart	+	+	+	+	+	5	
-------	---	---	---	---	---	---	--

Endocrine System

Adrenal Cortex	+	+	+	+	+	5	
Adrenal Medulla	+	+	+	+	+	5	
Pituitary Gland	+	+	+	+	+	5	
Thyroid Gland	+	+	+	+	+	5	

General Body System

NONE

Genital System

Testes	+	+	+	+	+	5	
--------	---	---	---	---	---	---	--

Hematopoietic System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014

Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male VEHICLE CONTROL	DAY ON TEST					ANIMAL ID		
	0	0	0	0	0			
	0	0	0	0	0			
	1	1	1	1	1			
	5	5	5	5	5			
	0	0	0	0	0			
	0	0	0	0	0			
	0	0	0	0	0			
	0	0	0	0	0			
	1	2	3	4	5			
							*TOTALS	
Spleen	+	+	+	+	+		5	
Hematopoietic Cell Proliferation			1				1	1.0
Thymus	+	+	+	+	+		5	
Integumentary System								
NONE								
Musculoskeletal System								
NONE								
Nervous System								
Brain	+	+	+	+	+		5	
Respiratory System								
Lung	+	+	+	+	+		5	
Special Senses System								
NONE								
Urinary System								
Kidney	+	+	+	+	+		5	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 10/16/2014
Time Report Requested: 17:14:07
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male
300 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 10/16/2014
Time Report Requested: 17:14:07
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male
300 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 10/16/2014
Time Report Requested: 17:14:07
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male
800 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 10/16/2014
Time Report Requested: 17:14:07
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male
800 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014

Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male 2500 PPM	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
	ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0		
	0	0	0	0	0		
	1	1	1	1	1	2	
	6	7	8	9	2	0	
							*TOTALS

Alimentary System

Liver	+	+	+	+	+	5	
Necrosis, Focal	1	1					2 1.0
Periportal, Vacuolization Cytoplasmic	2	2	2	2	2		5 2.0
Stomach, Forestomach	+	+	+	+	+	5	
Stomach, Glandular	+	+	+	+	+	5	

Cardiovascular System

Heart	+	+	+	+	+	5	
-------	---	---	---	---	---	---	--

Endocrine System

Adrenal Cortex	+	+	+	+	+	5	
Adrenal Medulla	+	+	+	+	+	5	
Pituitary Gland	+	+	1	+	+	4	
Thyroid Gland	+	+	+	+	1	4	

General Body System

NONE

Genital System

Testes	+	+	+	+	+	5	
--------	---	---	---	---	---	---	--

Hematopoietic System

Spleen	+	+	+	+	+	5	
--------	---	---	---	---	---	---	--

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014

Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male
2500 PPM

	DAY ON TEST						
	0	0	0	0	0		
	0	0	0	0	0		
	1	1	1	1	1		
	5	5	5	5	5		
ANIMAL ID	0	0	0	0	0		
	0	0	0	0	0		
	0	0	0	0	0		
	1	1	1	1	1		
	6	7	8	9	0		
		*TOTALS					
Hematopoietic Cell Proliferation				1		1	1.0
Thymus	+	+	+	+	+	5	
Integumentary System							
NONE							
Musculoskeletal System							
NONE							
Nervous System							
Brain	+	+	+	+	+	5	
Respiratory System							
Lung	+	+	+	+	+	5	
Special Senses System							
NONE							
Urinary System							
Kidney	+	+	+	+	+	5	
							END OF MALE DATA

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014

Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Female	VEHICLE CONTROL	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0		
		1	1	1	1	1		
		5	5	5	5	5		
		ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0			
	0	0	0	0	0			
	2	2	2	2	2			
	1	2	3	4	5		*TOTALS	

Alimentary System

Liver	+	+	+	+	+	5		
Inflammation, Chronic Active, Focal	1		1	2	1		4	1.3
Vacuolization Cytoplasmic, Diffuse		1		1	1		3	1.0
Stomach, Forestomach	+	+	+	+	+	5		
Stomach, Glandular	+	+	+	+	+	5		

Cardiovascular System

Heart	+	+	+	+	+	5		
-------	---	---	---	---	---	---	--	--

Endocrine System

Adrenal Cortex	+	+	+	+	+	5		
Adrenal Medulla	+	+	+	+	+	5		
Pituitary Gland	+	+	+	+	+	5		
Thyroid Gland	+	+	+	+	+	5		

General Body System

NONE

Genital System

Ovary	+	+	+	+	+	5		
-------	---	---	---	---	---	---	--	--

Hematopoietic System

Spleen	+	+	+	+	+	5		
--------	---	---	---	---	---	---	--	--

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014

Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Female VEHICLE CONTROL	DAY ON TEST					ANIMAL ID		
	0	0	0	0	0			
	0	0	0	0	0	0		
	1	1	1	1	1	0		
	5	5	5	5	5	0		
	0	0	0	0	0	0		
	0	0	0	0	0	0		
	2	2	2	2	2	0		
	1	2	3	4	5	0		
							*TOTALS	
Hematopoietic Cell Proliferation	1	1		1	2		4	1.3
Thymus	+	+	+	+	+		5	
Integumentary System								
NONE								
Musculoskeletal System								
NONE								
Nervous System								
Brain	+	+	+	+	+		5	
Respiratory System								
Lung	+	+	+	+	+		5	
Artery, Inflammation, Chronic Active	1						1	1.0
Special Senses System								
NONE								
Urinary System								
Kidney	+	+	+	+	+		5	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 10/16/2014
Time Report Requested: 17:14:07
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female
300 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014

Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female

300 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 10/16/2014
Time Report Requested: 17:14:07
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female
800 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 10/16/2014
Time Report Requested: 17:14:07
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female
800 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014

Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST		0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
ANIMAL ID		0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		3	3	3	3	4	
		6	7	8	9	0	*TOTALS

Alimentary System

Liver	+	+	+	+	+	5	
Inflammation, Chronic Active, Focal	1	1	1	1	1		5 1.0
Periportal, Vacuolization Cytoplasmic	1		1				2 1.0
Vacuolization Cytoplasmic, Diffuse		1					1 1.0
Stomach, Forestomach	+	+	+	+	+	5	
Stomach, Glandular	+	+	+	+	+	5	

Cardiovascular System

Heart	+	+	+	+	+	5	
-------	---	---	---	---	---	---	--

Endocrine System

Adrenal Cortex	+	+	+	+	+	5	
Adrenal Medulla	M	+	M	+	+	3	
Pituitary Gland	+	+	+	+	+	5	
Thyroid Gland	+	+	+	+	+	5	

General Body System

NONE

Genital System

Ovary	+	+	+	+	+	5	
Uterus	+					1	
Congestion	2						1 2.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92013-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014

Time Report Requested: 17:14:07

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Female 2500 PPM	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
	ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0		
	0	0	0	0	0		
	3	3	3	3	4		
	6	7	8	9	0	*TOTALS	

Hematopoietic System

Spleen	+	+	+	+	+	5	
Hematopoietic Cell Proliferation	2		1	1	1	4	1.3
Thymus	+	+	+	M	+	4	

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

Brain	+	+	+	+	+	5	
-------	---	---	---	---	---	---	--

Respiratory System

Lung	+	+	+	+	+	5	
------	---	---	---	---	---	---	--

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	5	
--------	---	---	---	---	---	---	--

**** END OF REPORT ****

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked