

Experiment Number: 92013-01
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 06:26:43
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: 92013-01
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 Lab: MBA

**F 344/N Rat 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	
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	
Centrilobular, Hepatocyte, Vacuolization Cytoplasmic				1		1	1.0
Inflammation, Focal	1	1	1	1		4	1.0
Stomach, Forestomach	+	+	+	+	+	5	
Stomach, Glandular	+	+	+	+	+	5	

Cardiovascular System

Heart	+	+	+	+	+	5	
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Endocrine System

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

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: 92013-01

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Lab: MBA

F 344/N Rat 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	
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
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

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Date Report Requested: 10/22/2014
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First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

F 344/N Rat 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

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+ ..Tissue examined microscopically

X ..Lesion present

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First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat 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

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Date Report Requested: 10/22/2014
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First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST

F 344/N Rat 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

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X ..Lesion present

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First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat 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

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Date Report Requested: 10/22/2014

Time Report Requested: 06:26:43

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat 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	2	
						*TOTALS

Alimentary System

Liver	+	+	+	+	+	5	
Centrilobular, Hepatocyte, Vacuolization			2				1 2.0
Cytoplasmic							
Inflammation, Focal	2	1	2	2			4 1.8
Stomach, Forestomach	+	+	+	+	+	5	
Stomach, Glandular	+	+	+	+	+	5	

Cardiovascular System

Heart	+	+	+	+	+	5	
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Endocrine System

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

General Body System

NONE

Genital System

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

Hematopoietic System

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

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First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat 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
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

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Lab: MBA

F 344/N Rat 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, Focal	1		2		1		3 1.3
Stomach, Forestomach	+	+	+	+	+	5	
Stomach, Glandular	+	+	+	+	+	5	

Cardiovascular System

Heart	+	+	+	+	+	5	
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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	
Thymus	+	+	+	+	+	5	

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat 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

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

Brain

+ + + + + 5

Respiratory System

Lung

+ + + + + 5

Special Senses System

NONE

Urinary System

Kidney

+ + + + + 5

Mineralization, Focal

2 1 1 3 1.3

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+ ..Tissue examined microscopically

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M ..Missing tissue

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Date Report Requested: 10/22/2014

Time Report Requested: 06:26:43

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female
300 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	
	2	2	2	2	3	
	6	7	8	9	0	
						*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Uterus								
Atrophy								

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous 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

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Route: DOSED FEED

Species/Strain: Rat/F 344/N

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CAS Number: 822-36-6

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First Dose M/F: NA / NA

Lab: MBA

**F 344/N Rat Female
300 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	
	2	2	2	2	3	
	6	7	8	9	0	
						*TOTALS

NONE
Respiratory System

NONE
Special Senses System

NONE
Urinary System

Kidney + 1

* ..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

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Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 06:26:44

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female
800 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	3	
	1	2	3	4	5	*TOTALS

Alimentary System

Liver	+	+	2	
Hepatodiaphragmatic Nodule, Focal	2	2	2	2.0

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

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

+ ..Tissue examined microscopically

X ..Lesion present

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**F 344/N Rat Female
 800 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	3	
	1	2	3	4	5	*TOTALS

NONE
Respiratory System
 NONE
Special Senses System
 NONE
Urinary System
 NONE

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First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat 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

Alimentary System

Liver	+	+	+	+	+	5	
Inflammation, Focal			1		2		2 1.5
Stomach, Forestomach	+	+	+	+	+	5	
Stomach, Glandular	+	+	+	+	+	5	

Cardiovascular System

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

Endocrine System

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

General Body System

NONE

Genital System

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

Hematopoietic System

Spleen	+	+	+	+	+	5	
Thymus	+	+	+	+	+	5	

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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

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

Brain + + + + + 5

Respiratory System

Lung + + + + + 5

Special Senses System

NONE

Urinary System

Kidney + + + + + 5

Mineralization, Focal 1 2 1 3 1.3

** END OF REPORT **

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