

Experiment Number: R92025
Test Type: RACB - Range Finding
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I05P: Pup Clinical Observations Summary
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 08/21/2017
Time Report Requested: 14:21:10
Lab: RTI

C Number:	R92025
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both

Experiment Number: R92025
Test Type: RACB - Range Finding
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I05P: Pup Clinical Observations Summary
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 08/21/2017
Time Report Requested: 14:21:10
Lab: RTI

F1 Pups - Litter A

Treatment Groups (ppm)

	0	625	1250	2500	5000
Total Pups (PND 0)	92	95	93	87	8
No. pups post cull (PND 4)	86	80	81	78	2
Total Litters (PND 0)	6	7	7	7	2
No. litters post cull (PND 4)	6	7	7	7	1

Pup Clinical Observations PND 0-4

Bruising	0	0	1 (1.1)	0	1 (12.5)
Abdomen	0	0	1 (14.3) PND 3	0	1 (50.0) PND 0-3
Bruising	0	0	1 (1.1)	0	0
Chest	0	0	1 (14.3) PND 0-3	0	0
Bruising	0	1 (1.1)	0	1 (1.1)	2 (25.0)
Face	0	1 (14.3) PND 0-1	0	1 (14.3) PND 1-2	1 (50.0) PND 0-3
Bruising	0	2 (2.1)	1 (1.1)	0	0
Head	0	2 (28.6) PND 0-3	1 (14.3) PND 0-2	0	0
Bruising	0	0	1 (1.1)	0	0
Left Hindlimb	0	0	1 (14.3) PND 0-2	0	0

Experiment Number: R92025
Test Type: RACB - Range Finding
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I05P: Pup Clinical Observations Summary
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 08/21/2017
Time Report Requested: 14:21:10
Lab: RTI

F1 Pups - Litter A

	Treatment Groups (ppm)				
	0	625	1250	2500	5000
Bruising	0	0	0	1 (1.1)	1 (12.5)
Neck	0	0	0	1 (14.3) PND 4	1 (50.0) PND 0
Bruising	0	0	1 (1.1)	0	0
Right Hindlimb	0	0	1 (14.3) PND 0-2	0	0
Bruising	0	0	1 (1.1)	0	0
Tail	0	0	1 (14.3) PND 0-2	0	0
Cold To Touch	0	0	2 (2.2)	0	0
	0	0	2 (28.6) PND 0-3	0	0
Dehydrated	0	0	2 (2.2)	0	0
	0	0	2 (28.6) PND 3-4	0	0
Emaciated	0	0	1 (1.1)	0	0
	0	0	1 (14.3) PND 3	0	0
Nasal Discharge	1 (1.1)	0	0	0	0
Brown	1 (16.7) PND 4	0	0	0	0

Experiment Number: R92025
Test Type: RACB - Range Finding
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I05P: Pup Clinical Observations Summary
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 08/21/2017
Time Report Requested: 14:21:10
Lab: RTI

F1 Pups - Litter A

Treatment Groups (ppm)

	0	625	1250	2500	5000
No Milk in Stomach	1 (1.1) 1 (16.7) PND 4	0 0	4 (4.3) 2 (28.6) PND 0-4	1 (1.1) 1 (14.3) PND 0	0 0
Pale	0 0	1 (1.1) 1 (14.3) PND 0-2	3 (3.2) 3 (42.9) PND 0-3	3 (3.4) 3 (42.9) PND 0-2	0 0
Pup - Found Dead	6 (6.5) 4 (66.7) PND 0-1	14 (14.7) 3 (42.9) PND 0	9 (9.7) 4 (57.1) PND 0-4	8 (9.2) 4 (57.1) PND 0	4 (50.0) 2 (100.0) PND 0
Pup Cannibalised	0 0	0 0	1 (1.1) 1 (14.3) PND 0	0 0	1 (12.5) 1 (50.0) PND 0
Pup Missing - Presumed Dead	0 0	0 0	1 (1.1) 1 (14.3) PND 1	1 (1.1) 1 (14.3) PND 1	1 (12.5) 1 (50.0) PND 1
Respiration Labored	0 0	0 0	1 (1.1) 1 (14.3) PND 3	0 0	0 0
Scab(s) Head	1 (1.1) 1 (16.7) PND 1	0 0	0 0	0 0	0 0

Experiment Number: R92025
Test Type: RACB - Range Finding
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I05P: Pup Clinical Observations Summary
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 08/21/2017
Time Report Requested: 14:21:10
Lab: RTI

F1 Pups - Litter A

Treatment Groups (ppm)

	0	625	1250	2500	5000
Tail Tip Missing	0	1 (1.1)	0	0	0
	0	1 (14.3)	0	0	0
		PND 0-4			
Pup Clinical Observations PND 5-21					
Bruising	0	0	0	1 (1.3)	0
Neck	0	0	0	1 (14.3)	0
				PND 5	
Cold To Touch	1 (1.2)	1 (1.2)	0	2 (2.6)	0
	1 (16.7)	1 (14.3)	0	2 (28.6)	0
	PND 6	PND 10		PND 8-10	
Dehydrated	3 (3.5)	2 (2.5)	0	4 (5.1)	0
	2 (33.3)	2 (28.6)	0	2 (28.6)	0
	PND 8-12	PND 7-10		PND 8-15	
Emaciated	1 (1.2)	1 (1.2)	0	0	0
	1 (16.7)	1 (14.3)	0	0	0
	PND 6	PND 10			
Fur Stained	0	0	2 (2.5)	0	0
Abdomen; Yellow	0	0	1 (14.3)	0	0
			PND 21		

Experiment Number: R92025
Test Type: RACB - Range Finding
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I05P: Pup Clinical Observations Summary
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 08/21/2017
Time Report Requested: 14:21:10
Lab: RTI

F1 Pups - Litter A

	Treatment Groups (ppm)				
	0	625	1250	2500	5000
Gasping	0	1 (1.2)	0	0	0
	0	1 (14.3) PND 10	0	0	0
Lethargic	1 (1.2)	1 (1.2)	0	1 (1.3)	0
	1 (16.7)	1 (14.3)	0	1 (14.3)	0
	PND 10-11	PND 7		PND 10	
No Milk in Stomach	5 (5.8)	2 (2.5)	2 (2.5)	7 (9.0)	0
	3 (50.0)	2 (28.6)	2 (28.6)	4 (57.1)	0
	PND 5-10	PND 7-10	PND 5-8	PND 7-10	
Pale	0	1 (1.2)	0	0	0
	0	1 (14.3)	0	0	0
		PND 10			
Pup - Found Dead	5 (5.8)	2 (2.5)	9 (11.1)	6 (7.7)	0
	3 (50.0)	2 (28.6)	4 (57.1)	6 (85.7)	0
	PND 5-10	PND 8-13	PND 5-11	PND 7-11	
Pup Cannibalised	1 (1.2)	0	2 (2.5)	2 (2.6)	0
	1 (16.7)	0	2 (28.6)	1 (14.3)	0
	PND 9		PND 9-10	PND 8-16	
Pup Missing - Presumed Dead	5 (5.8)	1 (1.2)	8 (9.9)	2 (2.6)	0
	3 (50.0)	1 (14.3)	3 (42.9)	2 (28.6)	0
	PND 7-13	PND 11	PND 6-9	PND 6-8	

Experiment Number: R92025
Test Type: RACB - Range Finding
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I05P: Pup Clinical Observations Summary
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 08/21/2017
Time Report Requested: 14:21:10
Lab: RTI

F1 Pups - Litter A

Treatment Groups (ppm)

	0	625	1250	2500	5000
Respiration Audible	0	0	1 (1.2) PND 8	0	0
Respiration Labored	0	0	0	1 (1.3) PND 10	0
Tail Tip Missing	0	1 (1.2) PND 5-21	0	0	0
	0	1 (14.3)	0	0	0

Experiment Number: R92025
Test Type: RACB - Range Finding
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I05P: Pup Clinical Observations Summary
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 08/21/2017
Time Report Requested: 14:21:10
Lab: RTI

LEGEND

Upper row denotes the pup incidence N (%)

Middle row denotes the litter incidence N (%)

Lower row denotes the range of postnatal days the finding was seen for the group

No. live litters includes litters with 1 live pup

Percent incidence calculated using number of live pups or litters on PND 0 (pre cull) or PND 4 (post cull)

PND - Postnatal Day, pups pre-weaning

**** END OF REPORT ****