

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

I08: Mean Test Compound Consumption
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 09/18/2018
Time Report Requested: 08:35:03
Lab: RTI

C Number: R92025
Study Gender: Both
PWG Approval Date See web page for date of PWG Approval

Study Number: R92025

Test Type: RACB - Range Finding

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I08: Mean Test Compound Consumption

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 09/18/2018

Time Report Requested: 08:35:03

Lab: RTI

F0 Males

Treatment Groups (ppm)

| Phase | Litter ID | Days | 0 | | 625 | | 1250 | | 2500 | | 5000 | |
|-------|-----------|-----------|----------------------|------------|----------------------|------------|----------------------|-------------|----------------------|-------------|----------------------|---|
| | | | Dose/Day (mg/kg/day) | N | Dose/Day (mg/kg/day) | N | Dose/Day (mg/kg/day) | N | Dose/Day (mg/kg/day) | N | Dose/Day (mg/kg/day) | N |
| Study | | 0 - 3 | 0.0 ± 0.0 | 8 | 51.7 ± 1.0 | 8 | 92.9 ± 2.5 | 7 | 147.3 ± 7.1 | 6 | 193.3 ± 3.5 | 2 |
| | | 3 - 7 | 0.0 ± 0.0 | 8 | 49.6 ± 1.4 | 8 | 96.2 ± 1.8 | 8 | 187.1 ± 2.3 | 8 | 325.5 ± 8.9 | 8 |
| | | 7 - 10 | 0.0 ± 0.0 | 8 | 49.8 ± 1.0 | 8 | 97.2 ± 1.5 | 8 | 205.6 ± 9.3 | 8 | 449.7 ± 12.8 | 8 |
| | | 10 - 14 | 0.0 ± 0.0 | 8 | 46.7 ± 0.8 | 8 | 91.0 ± 1.8 | 8 | 174.7 ± 2.5 | 8 | 379.8 ± 6.9 | 8 |
| | | 14 - 17 | 0.0 ± 0.0 | 8 | 44.6 ± 1.0 | 8 | 90.9 ± 2.7 | 8 | 172.7 ± 3.2 | 8 | 354.8 ± 9.0 | 8 |
| | | 17 - 21 | 0.0 ± 0.0 | 8 | 40.5 ± 0.9 | 8 | 87.3 ± 4.0 | 8 | 164.6 ± 2.9 | 8 | 327.2 ± 7.5 | 8 |
| | | 21 - 24 | 0.0 ± 0.0 | 8 | 40.5 ± 1.3 | 8 | 91.3 ± 5.6 | 8 | 157.8 ± 3.8 | 8 | 316.9 ± 6.6 | 8 |
| | | 24 - 28 | 0.0 ± 0.0 | 8 | 38.9 ± 0.8 | 8 | 82.6 ± 4.0 | 7 | 154.6 ± 2.0 | 8 | 310.9 ± 8.6 | 8 |
| | | 28 - 31 | 0.0 ± 0.0 | 8 | 38.9 ± 1.0 | 8 | 90.2 ± 8.2 | 8 | 151.2 ± 3.7 | 8 | 305.4 ± 9.4 | 8 |
| | | 31 - 35 | 0.0 ± 0.0 | 8 | 36.6 ± 0.7 | 7 | 76.0 ± 2.6 | 5 | 145.6 ± 2.4 | 8 | 281.2 ± 8.4 | 8 |
| | | 35 - 38 | 0.0 ± 0.0 | 8 | 39.5 ± 1.3 | 8 | 84.2 ± 3.9 | 7 | 145.4 ± 4.1 | 8 | 285.4 ± 8.4 | 8 |
| | | 38 - 42 | 0.0 ± 0.0 | 8 | 35.4 ± 0.7 | 8 | 73.6 ± 2.7 | 7 | 133.0 ± 2.5 | 8 | 260.7 ± 7.1 | 8 |
| | | 42 - 45 | 0.0 ± 0.0 | 8 | 35.5 ± 0.8 | 8 | 82.6 ± 6.8 | 8 | 135.4 ± 2.6 | 8 | 262.8 ± 4.3 | 8 |
| | | 45 - 49 | 0.0 ± 0.0 | 8 | 34.8 ± 0.7 | 8 | 70.9 ± 3.0 | 7 | 130.8 ± 2.4 | 8 | 259.7 ± 11.1 | 8 |
| | | 49 - 52 | 0.0 ± 0.0 | 8 | 36.2 ± 0.7 | 8 | 75.2 ± 3.5 | 7 | 133.0 ± 3.3 | 8 | 258.4 ± 9.8 | 8 |
| | | 52 - 56 | 0.0 ± 0.0 | 8 | 33.6 ± 1.1 | 8 | 68.5 ± 2.6 | 6 | 127.0 ± 2.1 | 8 | 238.5 ± 10.5 | 8 |
| | | 56 - 59 | 0.0 ± 0.0 | 8 | 34.6 ± 0.9 | 8 | 73.1 ± 4.6 | 8 | 129.2 ± 2.1 | 8 | 247.1 ± 9.1 | 8 |
| | | 59 - 63 | 0.0 ± 0.0 | 8 | 32.9 ± 0.9 | 8 | 69.7 ± 2.6 | 8 | 128.9 ± 1.8 | 8 | 243.4 ± 10.3 | 8 |
| | 63 - 66 | 0.0 ± 0.0 | 8 | 33.3 ± 0.7 | 8 | 74.1 ± 5.2 | 8 | 133.2 ± 3.3 | 8 | 260.7 ± 4.5 | 8 | |
| | 66 - 70 | 0.0 ± 0.0 | 8 | 31.3 ± 0.7 | 8 | 64.5 ± 1.3 | 7 | 124.3 ± 2.2 | 8 | 236.5 ± 9.8 | 8 | |
| | 0 - 70 | 0.0 ± 0.0 | 8 | 38.5 ± 0.7 | 8 | 81.4 ± 3.3 | 8 | 147.1 ± 2.1 | 8 | 288.9 ± 6.3 | 8 | |

Study Number: R92025

Test Type: RACB - Range Finding

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I08: Mean Test Compound Consumption

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 09/18/2018

Time Report Requested: 08:35:03

Lab: RTI

F0 Males

| Phase | Litter ID | Days | Treatment Groups (ppm) | |
|-------|-----------|---------|------------------------|---|
| | | | 10000 | N |
| | | | Dose/Day (mg/kg/day) | |
| Study | | 0 - 3 | 1325.6 ± 500.8 | 2 |
| | | 3 - 7 | 382.1 ± 25.7 | 8 |
| | | 7 - 10 | NR | |
| | | 10 - 14 | NR | |
| | | 14 - 17 | NR | |
| | | 17 - 21 | NR | |
| | | 21 - 24 | NR | |
| | | 24 - 28 | NR | |
| | | 28 - 31 | NR | |
| | | 31 - 35 | NR | |
| | | 35 - 38 | NR | |
| | | 38 - 42 | NR | |
| | | 42 - 45 | NR | |
| | | 45 - 49 | NR | |
| | | 49 - 52 | NR | |
| | | 52 - 56 | NR | |
| | | 56 - 59 | NR | |
| | 59 - 63 | NR | | |
| | 63 - 66 | NR | | |
| | 66 - 70 | NR | | |
| | 0 - 70 | NR | | |

Study Number: R92025

Test Type: RACB - Range Finding

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I08: Mean Test Compound Consumption

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 09/18/2018

Time Report Requested: 08:35:03

Lab: RTI

F0 Females

| Phase | Litter ID | Days | Treatment Groups (ppm) | | | | | | | | | |
|-----------|-----------|---------|------------------------|---|----------------------|---|----------------------|---|----------------------|---|----------------------|---|
| | | | 0 | | 625 | | 1250 | | 2500 | | 5000 | |
| | | | Dose/Day (mg/kg/day) | N | Dose/Day (mg/kg/day) | N | Dose/Day (mg/kg/day) | N | Dose/Day (mg/kg/day) | N | Dose/Day (mg/kg/day) | N |
| Study | | 0 - 3 | 0.0 ± 0.0 | 7 | 49.1 ± 2.1 | 8 | 93.6 ± 6.8 | 8 | 153.1 ± 10.4 | 6 | 651.7 ± 85.2 | 8 |
| | | 3 - 7 | 0.0 ± 0.0 | 7 | 48.9 ± 1.8 | 8 | 88.9 ± 2.6 | 8 | 189.8 ± 3.2 | 8 | 301.9 ± 7.1 | 8 |
| | | 7 - 10 | 0.0 ± 0.0 | 8 | 54.3 ± 4.1 | 7 | 90.7 ± 2.3 | 8 | 189.9 ± 5.1 | 8 | 452.3 ± 37.1 | 8 |
| | | 10 - 14 | 0.0 ± 0.0 | 8 | 42.1 ± 3.1 | 8 | 88.6 ± 1.1 | 8 | 169.0 ± 6.0 | 8 | 383.2 ± 13.3 | 8 |
| | | 0 - 14 | 0.0 ± 0.0 | 8 | 48.0 ± 2.0 | 8 | 90.1 ± 1.9 | 8 | 177.4 ± 4.1 | 8 | 428.8 ± 20.8 | 8 |
| Gestation | A | 0 - 3 | 0.0 ± 0.0 | 6 | 51.6 ± 2.3 | 7 | 94.8 ± 3.7 | 7 | 179.2 ± 8.6 | 7 | 376.7 ± 31.2 | 3 |
| | | 3 - 6 | 0.0 ± 0.0 | 6 | 49.2 ± 2.2 | 6 | 91.5 ± 2.0 | 7 | 180.4 ± 3.8 | 7 | 367.9 ± 21.0 | 3 |
| | | 6 - 9 | 0.0 ± 0.0 | 6 | 48.4 ± 2.7 | 7 | 91.1 ± 2.9 | 7 | 179.3 ± 3.6 | 7 | 365.9 ± 18.6 | 3 |
| | | 9 - 12 | 0.0 ± 0.0 | 6 | 45.6 ± 1.3 | 7 | 89.1 ± 2.2 | 7 | 180.4 ± 5.0 | 7 | 365.7 ± 21.5 | 3 |
| | | 12 - 15 | 0.0 ± 0.0 | 6 | 45.1 ± 1.5 | 7 | 87.5 ± 2.8 | 7 | 171.4 ± 3.4 | 7 | 390.3 ± 30.8 | 3 |
| | | 15 - 18 | 0.0 ± 0.0 | 6 | 44.0 ± 1.2 | 7 | 86.4 ± 2.4 | 7 | 165.4 ± 3.6 | 7 | 316.9 ± 13.3 | 3 |
| | | 18 - 21 | 0.0 ± 0.0 | 6 | 41.6 ± 0.9 | 7 | 83.0 ± 1.7 | 7 | 151.7 ± 1.7 | 7 | 271.7 ± 15.3 | 3 |
| | | 0 - 21 | 0.0 ± 0.0 | 6 | 46.2 ± 1.5 | 7 | 88.2 ± 2.0 | 7 | 170.7 ± 3.1 | 7 | 345.5 ± 17.1 | 3 |
| Lactation | A | 1 - 4 | 0.0 ± 0.0 | 6 | 71.2 ± 4.1 | 7 | 139.6 ± 10.7 | 6 | 281.5 ± 14.5 | 7 | 535.5 | 1 |
| | | 4 - 7 | 0.0 ± 0.0 | 6 | 89.7 ± 6.6 | 7 | 181.6 ± 16.1 | 7 | 365.3 ± 9.2 | 7 | 383.8 | 1 |
| | | 7 - 14 | 0.0 ± 0.0 | 6 | 99.7 ± 11.5 | 7 | 195.0 ± 27.7 | 6 | 448.5 ± 15.6 | 6 | NR | |

Study Number: R92025

Test Type: RACB - Range Finding

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I08: Mean Test Compound Consumption

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 09/18/2018

Time Report Requested: 08:35:03

Lab: RTI

LEGEND

Reported as the mean \pm SEM. N is the number of animals, number of cages for group housed adult animals or number of litters.

Consumption is not reported for the non-pregnant animals during gestation and lactation phases

Consumption is not reported for animals during mating

Consumption data is not analyzed for lactation periods that end after LD 14 due to possible consumption by pups.

NR not recorded

**** END OF REPORT ****