

Study Number: C06065

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

PA06: Organ Weights Summary

Test Compound: 2,2'-Dimorpholinodiethyl Ether

CAS Number: 6425-39-4

Date Report Requested: 03/26/2025

Time Report Requested: 15:18:52

Lab: Southern Research

Study Number:

C06065

Study Sex:

Both

PWG Approval Date:

See web page for date of PWG Approval

Version:

v1.7.2

Stat Version:

2023.02.27S

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| | Males | | | | | | | | | | | | | | |
|-----------------------|------------------------------|---------|-----|----------------------|---------|------|----------------------|---------|--------|---------------------|---------|-----|----------------------|---------|------|
| | Treatment Groups (mg/kg/day) | | | | | | | | | | | | | | |
| | 0 | | | 62.5 | | | 125 | | | 250 | | | 500 | | |
| Terminal Body Wt. (g) | 26.9 | ± 0.5 | (9) | 27.4 | ± 0.7 | (10) | 27.6 | ± 0.7 | (10) | 27.6 | ± 0.7 | (9) | 27.5 | ± 0.5 | (10) |
| Brain | | | | | | | | | | | | | | | |
| Absolute (g) | 0.53 | ± 0.01 | (9) | 0.54 | ± 0.01 | (10) | 0.52 | ± 0.01 | (10) | 0.53 | ± 0.01 | (9) | 0.53 | ± 0.00 | (10) |
| Relative (mg/g) | 19.82 | ± 0.31 | (9) | 19.60 | ± 0.38 | (10) | 18.81 | ± 0.36 | (10) | 19.36 | ± 0.44 | (9) | 19.19 | ± 0.31 | (10) |
| R. Epididymis | | | | | | | | | | | | | | | |
| Absolute (g) | 0.0453 ± 0.0044 (9) | | | 0.0379 ± 0.0025 (10) | | | 0.0401 ± 0.0027 (10) | | | 0.0374 ± 0.0033 (9) | | | 0.0432 ± 0.0026 (10) | | |
| Relative (mg/g) | 1.70 | ± 0.18 | (9) | 1.37 | ± 0.07 | (10) | 1.45 | ± 0.10 | (10) | 1.36 | ± 0.12 | (9) | 1.57 | ± 0.10 | (10) |
| L. Epididymis | | | | | | | | | | | | | | | |
| Absolute (g) | 0.0433 ± 0.0028 (9) | | | 0.0411 ± 0.0031 (10) | | | 0.0426 ± 0.0028 (10) | | | 0.0383 ± 0.0033 (9) | | | 0.0456 ± 0.0020 (10) | | |
| Relative (mg/g) | 1.62 | ± 0.12 | (9) | 1.50 | ± 0.10 | (10) | 1.56 | ± 0.12 | (10) | 1.39 | ± 0.11 | (9) | 1.66 | ± 0.08 | (10) |
| Heart | | | | | | | | | | | | | | | |
| Absolute (g) | 0.13 | ± 0.00 | (9) | 0.13 | ± 0.00 | (10) | 0.14 | ± 0.01 | (10) | 0.13 | ± 0.00 | (9) | 0.13 | ± 0.00 | (10) |
| Relative (mg/g) | 4.74 | ± 0.14 | (9) | 4.68 | ± 0.05 | (10) | 5.08 | ± 0.21 | (10) | 4.69 | ± 0.14 | (9) | 4.64 | ± 0.09 | (10) |
| R. Kidney | | | | | | | | | | | | | | | |
| Absolute (g) | 0.22 | ± 0.01 | (9) | 0.23 | ± 0.01 | (10) | 0.24 | ± 0.01 | (10) | 0.23 | ± 0.01 | (9) | 0.24 | ± 0.01 | (10) |
| Relative (mg/g) | 8.19 | ± 0.15 | (9) | 8.31 | ± 0.13 | (10) | 8.82 | ± 0.18 | (10) | 8.43 | ± 0.26 | (9) | 8.53 | ± 0.21 | (10) |
| L. Kidney | | | | | | | | | | | | | | | |
| Absolute (g) | 0.21 | ± 0.01 | (9) | 0.22 | ± 0.01 | (10) | 0.23 | ± 0.01 | (10) | 0.21 | ± 0.01 | (9) | 0.23 | ± 0.01 | (10) |
| Relative (mg/g) | 7.91 | ± 0.22 | (9) | 7.93 | ± 0.14 | (10) | 8.26 | ± 0.20 | (10) | 7.78 | ± 0.15 | (9) | 8.18 | ± 0.27 | (10) |
| Liver | | | | | | | | | | | | | | | |
| Absolute (g) | 1.32 | ± 0.05 | (9) | 1.36 | ± 0.05 | (10) | 1.44 | ± 0.04 | (10) | 1.33 | ± 0.05 | (9) | 1.35 | ± 0.05 | (10) |
| Relative (mg/g) | 48.81 | ± 1.35 | (9) | 49.69 | ± 1.64 | (10) | 52.16 | ± 1.37 | (10) | 48.17 | ± 1.23 | (9) | 48.88 | ± 1.57 | (10) |
| Lung | | | | | | | | | | | | | | | |
| Absolute (g) | 0.25 | ± 0.02 | (9) | 0.24 | ± 0.01 | (10) | 0.25 | ± 0.01 | (10) | 0.26 | ± 0.02 | (9) | 0.23 | ± 0.02 | (10) |
| Relative (mg/g) | 9.35 | ± 0.57 | (9) | 8.89 | ± 0.24 | (10) | 9.15 | ± 0.42 | (10) | 9.42 | ± 0.65 | (9) | 8.52 | ± 0.57 | (10) |
| R. Testis | | | | | | | | | | | | | | | |
| Absolute (g) | 0.106 | ± 0.002 | (9) | 0.102 | ± 0.002 | (10) | 0.101 | ± 0.002 | (10) | 0.101 | ± 0.003 | (9) | 0.105 | ± 0.004 | (10) |
| Relative (mg/g) | 3.94 | ± 0.06 | (9) | 3.73 | ± 0.07 | (10) | 3.65 | ± 0.05 | (10) * | 3.66 | ± 0.08 | (9) | 3.81 | ± 0.09 | (10) |

Study Number: C06065

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Species/Strain: Mouse/B6C3F1/N

PA06: Organ Weights Summary

Test Compound: 2,2'-Dimorpholinodiethyl Ether

CAS Number: 6425-39-4

Date Report Requested: 03/26/2025

Time Report Requested: 15:18:52

Lab: Southern Research

Males

Treatment Groups (mg/kg/day)

| | 0 | 62.5 | 125 | 250 | 500 |
|-----------------|---------------------|--------------------|--------------------|-------------------|--------------------|
| L. Testis | | | | | |
| Absolute (g) | 0.106 ± 0.003 (9) * | 0.103 ± 0.003 (10) | 0.100 ± 0.001 (10) | 0.098 ± 0.003 (9) | 0.103 ± 0.004 (10) |
| Relative (mg/g) | 3.92 ± 0.06 (9) * | 3.76 ± 0.06 (10) | 3.62 ± 0.05 (10) | 3.55 ± 0.08 (9) * | 3.72 ± 0.07 (10) |
| Thymus | | | | | |
| Absolute (g) | 0.051 ± 0.001 (9) | 0.045 ± 0.001 (10) | 0.046 ± 0.002 (10) | 0.046 ± 0.001 (9) | 0.046 ± 0.002 (10) |
| Relative (mg/g) | 1.88 ± 0.04 (9) | 1.63 ± 0.06 (10) | 1.66 ± 0.08 (10) | 1.67 ± 0.07 (9) | 1.68 ± 0.08 (10) |

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Lab: Southern Research

Males

| | Treatment Groups | | |
|-----------------------|------------------|----------|------|
| | 1000 | | |
| Terminal Body Wt. (g) | 26.4 | ± 0.7 | (10) |
| Brain | | | |
| Absolute (g) | 0.53 | ± 0.01 | (10) |
| Relative (mg/g) | 20.23 | ± 0.42 | (10) |
| R. Epididymis | | | |
| Absolute (g) | 0.0399 | ± 0.0020 | (10) |
| Relative (mg/g) | 1.51 | ± 0.06 | (10) |
| L. Epididymis | | | |
| Absolute (g) | 0.0451 | ± 0.0040 | (10) |
| Relative (mg/g) | 1.71 | ± 0.15 | (10) |
| Heart | | | |
| Absolute (g) | 0.12 | ± 0.00 | (10) |
| Relative (mg/g) | 4.40 | ± 0.12 | (10) |
| R. Kidney | | | |
| Absolute (g) | 0.22 | ± 0.01 | (10) |
| Relative (mg/g) | 8.19 | ± 0.16 | (10) |
| L. Kidney | | | |
| Absolute (g) | 0.20 | ± 0.01 | (10) |
| Relative (mg/g) | 7.71 | ± 0.17 | (10) |
| Liver | | | |
| Absolute (g) | 1.42 | ± 0.04 | (10) |
| Relative (mg/g) | 54.06 | ± 1.55 | (10) |
| Lung | | | |
| Absolute (g) | 0.23 | ± 0.01 | (10) |
| Relative (mg/g) | 8.62 | ± 0.42 | (10) |
| R. Testis | | | |
| Absolute (g) | 0.102 | ± 0.002 | (10) |
| Relative (mg/g) | 3.89 | ± 0.08 | (10) |

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Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

PA06: Organ Weights Summary

Test Compound: 2,2'-Dimorpholinodiethyl Ether

CAS Number: 6425-39-4

Date Report Requested: 03/26/2025

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Lab: Southern Research

Males

Treatment Groups

1000

L. Testis

Absolute (g) 0.093 ± 0.005 (10) *

Relative (mg/g) 3.54 ± 0.16 (10) *

Thymus

Absolute (g) 0.046 ± 0.003 (10)

Relative (mg/g) 1.74 ± 0.11 (10)

Study Number: C06065

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

PA06: Organ Weights Summary

Test Compound: 2,2'-Dimorpholinodiethyl Ether

CAS Number: 6425-39-4

Date Report Requested: 03/26/2025

Time Report Requested: 15:18:52

Lab: Southern Research

Females

Treatment Groups (mg/kg/day)

| | 0 | | | 62.5 | | | 125 | | | 250 | | | 500 | | |
|-----------------------|--------|----------|---------|--------|----------|------|--------|----------|------|--------|----------|--------|--------|----------|---------|
| Terminal Body Wt. (g) | 22.0 | ± 0.4 | (10) | 22.1 | ± 0.4 | (10) | 21.9 | ± 0.5 | (10) | 21.9 | ± 0.5 | (10) | 22.9 | ± 0.4 | (10) |
| Brain | | | | | | | | | | | | | | | |
| Absolute (g) | 0.54 | ± 0.01 | (10) ** | 0.54 | ± 0.00 | (10) | 0.53 | ± 0.01 | (10) | 0.53 | ± 0.00 | (10) | 0.53 | ± 0.01 | (10) |
| Relative (mg/g) | 24.47 | ± 0.26 | (10) ** | 24.44 | ± 0.32 | (10) | 24.19 | ± 0.39 | (10) | 24.18 | ± 0.41 | (10) | 23.24 | ± 0.24 | (10) * |
| Heart | | | | | | | | | | | | | | | |
| Absolute (g) | 0.11 | ± 0.00 | (10) ** | 0.11 | ± 0.00 | (10) | 0.11 | ± 0.00 | (10) | 0.10 | ± 0.00 | (10) | 0.11 | ± 0.00 | (10) |
| Relative (mg/g) | 5.09 | ± 0.11 | (10) ** | 4.94 | ± 0.11 | (10) | 4.90 | ± 0.09 | (10) | 4.76 | ± 0.11 | (10) * | 4.64 | ± 0.08 | (10) ** |
| R. Kidney | | | | | | | | | | | | | | | |
| Absolute (g) | 0.15 | ± 0.00 | (10) ** | 0.15 | ± 0.00 | (10) | 0.15 | ± 0.00 | (10) | 0.15 | ± 0.00 | (10) | 0.16 | ± 0.00 | (10) |
| Relative (mg/g) | 6.78 | ± 0.11 | (10) ** | 6.62 | ± 0.14 | (10) | 6.73 | ± 0.10 | (10) | 6.82 | ± 0.09 | (10) | 6.95 | ± 0.10 | (10) |
| L. Kidney | | | | | | | | | | | | | | | |
| Absolute (g) | 0.14 | ± 0.00 | (10) ** | 0.14 | ± 0.00 | (10) | 0.14 | ± 0.00 | (10) | 0.14 | ± 0.00 | (10) | 0.15 | ± 0.00 | (10) * |
| Relative (mg/g) | 6.41 | ± 0.10 | (10) ** | 6.11 | ± 0.13 | (10) | 6.46 | ± 0.11 | (10) | 6.41 | ± 0.05 | (10) | 6.69 | ± 0.12 | (10) |
| Liver | | | | | | | | | | | | | | | |
| Absolute (g) | 1.08 | ± 0.02 | (10) | 1.08 | ± 0.04 | (10) | 1.03 | ± 0.05 | (10) | 1.04 | ± 0.03 | (10) | 1.13 | ± 0.02 | (10) |
| Relative (mg/g) | 49.11 | ± 1.11 | (10) | 48.80 | ± 1.64 | (10) | 46.89 | ± 1.25 | (10) | 47.41 | ± 0.92 | (10) | 49.61 | ± 1.21 | (10) |
| Lung | | | | | | | | | | | | | | | |
| Absolute (g) | 0.20 | ± 0.02 | (10) | 0.21 | ± 0.01 | (10) | 0.20 | ± 0.02 | (10) | 0.23 | ± 0.01 | (10) | 0.22 | ± 0.02 | (10) |
| Relative (mg/g) | 9.23 | ± 0.66 | (10) | 9.52 | ± 0.52 | (10) | 9.22 | ± 0.70 | (10) | 10.59 | ± 0.64 | (10) | 9.41 | ± 0.60 | (10) |
| R. Ovary | | | | | | | | | | | | | | | |
| Absolute (g) | 0.0038 | ± 0.0004 | (10) | 0.0055 | ± 0.0006 | (10) | 0.0055 | ± 0.0009 | (10) | 0.0040 | ± 0.0003 | (10) | 0.0045 | ± 0.0003 | (10) |
| Relative (mg/g) | 0.17 | ± 0.02 | (10) | 0.25 | ± 0.03 | (10) | 0.25 | ± 0.04 | (10) | 0.19 | ± 0.02 | (10) | 0.20 | ± 0.02 | (10) |
| L. Ovary | | | | | | | | | | | | | | | |
| Absolute (g) | 0.0041 | ± 0.0004 | (10) | 0.0057 | ± 0.0005 | (10) | 0.0053 | ± 0.0011 | (10) | 0.0040 | ± 0.0004 | (10) | 0.0040 | ± 0.0004 | (10) |
| Relative (mg/g) | 0.19 | ± 0.02 | (10) * | 0.26 | ± 0.02 | (10) | 0.24 | ± 0.05 | (10) | 0.18 | ± 0.02 | (10) | 0.18 | ± 0.02 | (10) |
| Thymus | | | | | | | | | | | | | | | |
| Absolute (g) | 0.060 | ± 0.005 | (10) | 0.059 | ± 0.002 | (10) | 0.065 | ± 0.002 | (10) | 0.061 | ± 0.002 | (10) | 0.059 | ± 0.002 | (10) |
| Relative (mg/g) | 2.75 | ± 0.24 | (10) | 2.69 | ± 0.08 | (10) | 2.96 | ± 0.08 | (10) | 2.77 | ± 0.10 | (10) | 2.59 | ± 0.08 | (10) |

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CAS Number: 6425-39-4

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Lab: Southern Research

Females

| | Treatment Groups | | |
|-----------------------|------------------|---------|--------|
| | 1000 | | |
| Terminal Body Wt. (g) | 22.0 | ± 0.4 | (9) |
| Brain | | | |
| Absolute (g) | 0.51 | ± 0.01 | (9) ** |
| Relative (mg/g) | 23.32 | ± 0.33 | (9) * |
| Heart | | | |
| Absolute (g) | 0.09 | ± 0.00 | (9) ** |
| Relative (mg/g) | 4.29 | ± 0.09 | (9) ** |
| R. Kidney | | | |
| Absolute (g) | 0.16 | ± 0.00 | (9) |
| Relative (mg/g) | 7.21 | ± 0.11 | (9) ** |
| L. Kidney | | | |
| Absolute (g) | 0.15 | ± 0.00 | (9) * |
| Relative (mg/g) | 6.81 | ± 0.13 | (9) * |
| Liver | | | |
| Absolute (g) | 1.14 | ± 0.03 | (9) |
| Relative (mg/g) | 51.87 | ± 1.26 | (9) |
| Lung | | | |
| Absolute (g) | 0.19 | ± 0.01 | (9) |
| Relative (mg/g) | 8.84 | ± 0.52 | (9) |
| R. Ovary | | | |
| Absolute (g) | 0.0046 ± 0.0006 | | (9) |
| Relative (mg/g) | 0.20 | ± 0.03 | (9) |
| L. Ovary | | | |
| Absolute (g) | 0.0038 ± 0.0004 | | (9) |
| Relative (mg/g) | 0.17 | ± 0.02 | (9) |
| Thymus | | | |
| Absolute (g) | 0.055 | ± 0.002 | (9) |
| Relative (mg/g) | 2.51 | ± 0.14 | (9) |

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LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

Relative organ weights (organ-weight-to-body-weight ratios) are given as mg organ weight/g body weight

Statistical analysis of weight data performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $p \leq 0.05$

** Statistically significant at $p \leq 0.01$

**** END OF REPORT ****