

Experiment Number: **G06065**

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **2,2'-Dimorpholinodiethyl Ether**

CAS Number: **6425-39-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **21:58:58**

NTP Study Number:

G06065

Study Result:

Negative

Experiment Number: G06065

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G06: Ames Summary Data

Test Compound: 2,2'-Dimorpholinodiethyl Ether
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	83 ± 2.3	110 ± 3.5	94 ± 1.5	98 ± 5.4	98 ± 5.4
12.5		105 ± 16.8		94 ± 7.8	94 ± 7.8
50.0		99 ± 8.7		110 ± 0.7	110 ± 0.7
100.0	87 ± 11.1		86 ± 3.8		
125.0		108 ± 5.2		99 ± 12.5	99 ± 12.5
500.0	78 ± 6.0	113 ± 3.0	81 ± 2.9	89 ± 4.1	89 ± 4.1
1000.0	70 ± 2.5		86 ± 4.4		
1500.0		101 ± 6.7		104 ± 2.6	104 ± 2.6
3000.0	76 ± 4.9		82 ± 8.4		
6000.0	88 ± 0.6	106 ± 8.3	89 ± 4.2	100 ± 12.3	100 ± 12.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	690 ± 14.7	740 ± 27.4			
Positive Control ³				1772 ± 104.9	1772 ± 104.9
Positive Control ⁴			688 ± 86.7		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	18 ± 3.7	26 ± 4.1	31 ± 7.8	31 ± 2.6
12.5		25 ± 3.7		26 ± 3.7
50.0		26 ± 1.2		29 ± 2.8
100.0	16 ± 2.0		28 ± 1.2	
125.0		17 ± 4.0		32 ± 9.2
500.0	21 ± 2.6	26 ± 4.6	28 ± 2.4	27 ± 2.6
1000.0	15 ± 3.1		22 ± 4.5	
1500.0		32 ± 2.5		29 ± 1.3
3000.0	18 ± 3.8		29 ± 2.8	
6000.0	20 ± 3.3	31 ± 3.3	26 ± 2.9	33 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			620 ± 62.6	65 ± 2.6
Positive Control ⁶	421 ± 7.0	369 ± 60.4		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	101 ± 5.5	159 ± 6.1	124 ± 7.4	178 ± 10.2
12.5		141 ± 9.7		170 ± 9.6
50.0		140 ± 7.6		172 ± 9.0
100.0	108 ± 9.0		122 ± 6.3	
125.0		156 ± 8.0		187 ± 3.5
500.0	111 ± 14.1	131 ± 2.4	129 ± 4.1	189 ± 8.1
1000.0	102 ± 11.1		137 ± 8.2	
1500.0		143 ± 13.9		196 ± 17.3
3000.0	114 ± 10.1		131 ± 4.9	
6000.0	106 ± 4.2	161 ± 8.9	135 ± 11.0	170 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁷			434 ± 26.2	
Positive Control ⁸				743 ± 29.5
Positive Control ⁹	1324 ± 142.6	1064 ± 5.6		

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LEGEND

Values given as Mean or Mean \pm Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

- 1: Vehicle Control: Dimethyl Sulfoxide
- 2: 1.0 ug/Plate Sodium Azide
- 3: 2.5 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate 2-Aminoanthracene
- 5: 2.0 ug/Plate 2-Aminoanthracene
- 6: 3.0 ug/Plate 2-Nitrofluorene
- 7: 10.0 ug/Plate 2-Aminoanthracene
- 8: 20.0 ug/Plate 2-Aminoanthracene
- 9: 100.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****