

Experiment Number: 205798

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,6-Dimethyl morpholine

CAS Number: 141-91-3

Date Report Requested: 09/14/2018

Time Report Requested: 14:09:18

NTP Study Number:

205798

Study Result:

Positive

Experiment Number: 205798

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: 2,6-Dimethyl morpholine

CAS Number: 141-91-3

Date Report Requested: 09/14/2018

Time Report Requested: 14:09:18

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	115 ± 8.3	105 ± 3.5	113 ± 2.4	105 ± 8.0	116 ± 9.8
100.0	115 ± 13.8		110 ± 15.3		119 ± 8.4
333.3	117 ± 5.9	126 ± 9.1	110 ± 13.4	142 ± 9.6	108 ± 3.7
1000.0	132 ± 9.0	115 ± 0.9	106 ± 2.2	128 ± 7.9	109 ± 13.1
3333.3	116 ± 9.2	132 ± 5.5	133 ± 2.3	107 ± 8.6	139 ± 5.8
6666.7		129 ± 10.7		108 ± 4.1	
10000.0	142 ± 10.4	117 ± 10.0	146 ± 6.2	113 ± 7.3	167 ± 12.4
Trial Summary	Negative	Negative	Equivocal	Negative	Equivocal
Positive Control ²			1075 ± 30.0	549 ± 71.3	1119 ± 119.8
Positive Control ³	483 ± 7.2	416 ± 11.3			

Experiment Number: 205798

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,6-Dimethyl morpholine

CAS Number: 141-91-3

Date Report Requested: 09/14/2018

Time Report Requested: 14:09:18

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	107 ± 14.4
100.0	
333.3	117 ± 9.8
1000.0	134 ± 12.5
3333.3	129 ± 3.3
6666.7	151 ± 15.1
10000.0	160 ± 13.4
Trial Summary	Weakly Positive
Positive Control ²	2115 ± 14.6
Positive Control ³	

Experiment Number: 205798

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,6-Dimethyl morpholine

CAS Number: 141-91-3

Date Report Requested: 09/14/2018

Time Report Requested: 14:09:18

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	31 ± 0.7	21 ± 5.6	11 ± 1.8	14 ± 0.9	12 ± 2.3
100.0	34 ± 1.0		9 ± 2.3		17 ± 0.7
333.3	38 ± 3.7	21 ± 0.0	14 ± 1.5	13 ± 0.7	13 ± 2.1
1000.0	35 ± 4.2	25 ± 2.8	24 ± 6.4	20 ± 2.5	17 ± 5.0
3333.3	48 ± 1.9	33 ± 7.9	27 ± 1.8	28 ± 5.6	30 ± 1.8
6666.7		43 ± 3.8		47 ± 5.6	
10000.0	66 ± 4.0	53 ± 11.2	62 ± 3.8	57 ± 2.6	77 ± 6.1
Trial Summary	Equivocal	Weakly Positive	Positive	Positive	Positive
Positive Control ³	412 ± 9.4	346 ± 14.4			
Positive Control ⁴			314 ± 14.9	167 ± 4.9	257 ± 13.8

Experiment Number: 205798
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: 2,6-Dimethyl morpholine
CAS Number: 141-91-3

Date Report Requested: 09/14/2018
Time Report Requested: 14:09:18

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.9
100.0	
333.3	16 ± 0.7
1000.0	19 ± 0.6
3333.3	36 ± 2.7
6666.7	48 ± 3.8
10000.0	70 ± 6.7
Trial Summary	Positive
Positive Control ³	
Positive Control ⁴	266 ± 9.5

Experiment Number: 205798

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,6-Dimethyl morpholine

CAS Number: 141-91-3

Date Report Requested: 09/14/2018

Time Report Requested: 14:09:18

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.3	23 ± 2.1	18 ± 3.5
100.0	11 ± 4.2	19 ± 2.6	19 ± 2.7
333.3	11 ± 3.7	13 ± 0.9	26 ± 0.9
1000.0	12 ± 1.5	17 ± 0.6	15 ± 1.5
3333.3	7 ± 0.3	17 ± 2.0	15 ± 0.3
10000.0	7 ± 2.6	16 ± 1.9	19 ± 1.5
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		495 ± 52.6	459 ± 52.4
Positive Control ⁵	329 ± 159.1		

Experiment Number: 205798

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,6-Dimethyl morpholine

CAS Number: 141-91-3

Date Report Requested: 09/14/2018

Time Report Requested: 14:09:18

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	35 ± 4.7	31 ± 5.2	49 ± 5.6
100.0	43 ± 3.2	41 ± 2.5	37 ± 3.2
333.3	44 ± 4.4	50 ± 3.5	41 ± 2.6
1000.0	31 ± 1.5	41 ± 1.5	40 ± 0.0
3333.3	30 ± 1.5	48 ± 4.0	35 ± 1.9
10000.0	31 ± 3.5	41 ± 3.9	36 ± 4.8
Trial Summary	Negative	Negative	Negative
Positive Control ²		574 ± 22.3	570 ± 57.5
Positive Control ⁶	691 ± 10.1		

Experiment Number: 205798

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

G06: Ames Summary Data

Test Compound: **2,6-Dimethyl morpholine**

CAS Number: 141-91-3

Date Report Requested: 09/14/2018

Time Report Requested: 14:09:18

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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****