

Experiment Number: 516093

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1-Iodo-3-nitrobenzene

CAS Number: 645-00-1

Date Report Requested: 09/12/2018

Time Report Requested: 12:18:26

NTP Study Number:

516093

Study Result:

Negative

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CAS Number: 645-00-1

Date Report Requested: 09/12/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	145 ± 0.3	143 ± 2.4	153 ± 2.6	153 ± 7.6	164 ± 3.3
1.0	159 ± 6.8	147 ± 6.5			
3.0	137 ± 4.4	152 ± 7.8			155 ± 7.0
10.0	139 ± 14.1	163 ± 13.1	155 ± 15.4	154 ± 5.4	166 ± 7.4
33.0	141 ± 13.1	143 ± 4.5	163 ± 6.9	142 ± 14.8	149 ± 6.2
100.0	155 ± 5.2	154 ± 11.1	149 ± 4.8	155 ± 9.4	157 ± 9.1
333.0			148 ± 7.9	146 ± 12.5	142 ± 9.4
1000.0			55 ± 38.5 ^s	130 ± 7.3	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					478 ± 19.0
Positive Control ³			438 ± 27.5		
Positive Control ⁴				432 ± 64.1	
Positive Control ⁵	896 ± 6.5	923 ± 32.7			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	141 ± 12.5
1.0	
3.0	132 ± 9.7
10.0	137 ± 5.8
33.0	147 ± 7.8
100.0	139 ± 4.3
333.0	121 ± 8.1
1000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	730 ± 19.5
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.1	11 ± 2.5	17 ± 2.3	16 ± 1.7	10 ± 2.1
1.0	17 ± 0.3	8 ± 0.7			
3.0	20 ± 4.1	10 ± 1.2			9 ± 2.6
10.0	12 ± 1.7	10 ± 2.5	10 ± 1.5	24 ± 6.9	9 ± 2.7
33.0	15 ± 2.8	10 ± 2.7	14 ± 0.9	17 ± 0.9	6 ± 1.2
100.0	10 ± 1.2	13 ± 1.2	10 ± 1.8	16 ± 0.6	7 ± 0.7
333.0			10 ± 3.0	18 ± 1.2	9 ± 2.5
1000.0			9 ± 3.0 ^s	13 ± 3.2	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					116 ± 9.0
Positive Control ⁴			92 ± 3.2		
Positive Control ⁵	957 ± 28.7	1088 ± 5.6			
Positive Control ⁶				123 ± 4.0	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	21 ± 1.3
1.0	
3.0	14 ± 3.2
10.0	17 ± 1.5
33.0	16 ± 0.7
100.0	14 ± 3.3
333.0	16 ± 2.3
1000.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	524 ± 46.3
Positive Control ⁵	
Positive Control ⁶	

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Test Compound: 1-Iodo-3-nitrobenzene
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Date Report Requested: 09/12/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	137 ± 1.9	140 ± 6.8	163 ± 5.6	160 ± 2.4	139 ± 7.5
1.0	157 ± 2.1	145 ± 12.2			
3.0	165 ± 1.5	151 ± 2.6			128 ± 16.0
10.0	153 ± 5.7	148 ± 3.5	172 ± 3.3	170 ± 7.0	158 ± 9.2
33.0	157 ± 6.4	161 ± 11.1	177 ± 5.3	169 ± 11.8	163 ± 9.1
100.0	156 ± 3.5	161 ± 9.2	164 ± 11.5	153 ± 10.9	140 ± 9.3
333.0			150 ± 9.7	157 ± 6.4	128 ± 9.9
1000.0			90 ± 19.1 ^s	170 ± 7.9	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					351 ± 4.7
Positive Control ³			322 ± 20.3		
Positive Control ⁴				390 ± 11.1	
Positive Control ⁷	361 ± 15.9	306 ± 7.0			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	143 ± 2.7
1.0	
3.0	162 ± 9.4
10.0	186 ± 4.3
33.0	146 ± 6.3
100.0	168 ± 6.3
333.0	166 ± 4.3
1000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	500 ± 10.7
Positive Control ⁴	
Positive Control ⁷	

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Test Compound: 1-Iodo-3-nitrobenzene

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 0.6	12 ± 2.8	24 ± 2.0	19 ± 3.8	25 ± 2.3
1.0	14 ± 1.7	16 ± 0.7			
3.0	21 ± 3.8	16 ± 2.3			22 ± 2.3
10.0	17 ± 0.7	9 ± 2.0	28 ± 1.5	13 ± 2.9	17 ± 1.3
33.0	14 ± 3.5	10 ± 1.8	19 ± 2.0	19 ± 2.9	15 ± 0.7
100.0	17 ± 2.2	13 ± 2.9	16 ± 2.1	17 ± 0.9	22 ± 1.9
333.0			19 ± 0.9	11 ± 1.9	15 ± 0.6
1000.0			19 ± 5.0 ^s	14 ± 3.5	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					138 ± 15.1
Positive Control ³			94 ± 4.0		
Positive Control ⁸	364 ± 25.9	338 ± 10.4			
Positive Control ⁴				120 ± 11.2	

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Test Compound: 1-Iodo-3-nitrobenzene
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Date Report Requested: 09/12/2018
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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	27 ± 1.5
1.0	
3.0	21 ± 1.5
10.0	21 ± 3.2
33.0	23 ± 2.4
100.0	24 ± 1.8
333.0	30 ± 1.5
1000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	233 ± 17.3
Positive Control ⁸	
Positive Control ⁴	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****