

Experiment Number: **664069**

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

G06: Ames Summary Data

Test Compound: **Sulfanilamide**

CAS Number: **63-74-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **12:02:18**

NTP Study Number:

664069

Study Result:

Equivocal

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	165 ± 9.8	88 ± 7.8	249 ± 4.4	172 ± 8.4	238 ± 9.6
10.0		125 ± 9.9		170 ± 4.1	
33.0	210 ± 4.0	119 ± 5.9	211 ± 13.0	138 ± 4.0	239 ± 3.0
100.0	195 ± 2.5	130 ± 31.1	242 ± 7.3	145 ± 11.7	264 ± 4.0
333.0	195 ± 2.5	154 ± 25.2	330 ± 4.4	145 ± 41.7	248 ± 9.5
1000.0	102 ± 5.9	116 ± 14.8	245 ± 9.6	107 ± 32.2	131 ± 12.8
3333.0	2 ± 1.5		69 ± 1.0		9 ± 4.1
Trial Summary	Equivocal	Equivocal	Equivocal	Negative	Negative
Positive Control ²			2068 ± 268.4	1148 ± 140.5	1774 ± 21.1
Positive Control ³	753 ± 20.2	789 ± 38.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	145 ± 18.7
10.0	120 ± 7.9
33.0	137 ± 9.8
100.0	125 ± 20.0
333.0	150 ± 25.7
1000.0	127 ± 33.6
3333.0	
Trial Summary	Negative
Positive Control ²	1279 ± 94.5
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 0.7	7 ± 2.8	17 ± 1.3	11 ± 3.0	21 ± 3.4
10.0		6 ± 1.9		12 ± 3.8	
33.0	17 ± 1.2	7 ± 3.3	30 ± 0.3	10 ± 1.5	26 ± 3.4
100.0	25 ± 1.2	5 ± 1.2	20 ± 0.9	11 ± 2.8	19 ± 1.5
333.0	12 ± 2.0	2 ± 0.3	52 ± 0.9	8 ± 3.7	16 ± 1.9
1000.0	2 ± 0.3	0 ± 0.0	22 ± 3.2	1 ± 0.6	2 ± 0.0
3333.0	0 ± 0.0		1 ± 0.6		0 ± 0.0
Trial Summary	Equivocal	Negative	Equivocal	Negative	Negative
Positive Control ²			85 ± 9.0	217 ± 24.8	55 ± 3.6
Positive Control ³	51 ± 13.3	139 ± 7.3			

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Test Compound: Sulfanilamide
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Date Report Requested: 09/11/2018
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.9
10.0	10 ± 1.8
33.0	8 ± 0.7
100.0	7 ± 0.6
333.0	2 ± 0.3
1000.0	0 ± 0.0
3333.0	
Trial Summary	Negative
Positive Control ²	137 ± 12.7
Positive Control ³	

Experiment Number: 664069

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Test Compound: Sulfanilamide

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 4.2	6 ± 2.0	12 ± 1.2	7 ± 1.5	15 ± 2.6
10.0		5 ± 0.0		6 ± 0.3	
33.0	14 ± 1.2	5 ± 1.3	12 ± 0.6	6 ± 0.3	14 ± 1.5
100.0	10 ± 1.3	4 ± 1.0	7 ± 0.7	5 ± 0.6	18 ± 2.2
333.0	5 ± 0.6	6 ± 1.5	5 ± 0.3	4 ± 1.5	5 ± 0.3
1000.0	3 ± 0.3	5 ± 1.5	9 ± 0.7	5 ± 1.5	3 ± 0.6
3333.0	1 ± 0.3		3 ± 1.2		1 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			158 ± 4.7	147 ± 10.3	206 ± 9.9
Positive Control ⁴	309 ± 32.7				
Positive Control ⁵		156 ± 12.5			

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Date Report Requested: 09/11/2018
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 2.1
10.0	5 ± 0.7
33.0	5 ± 0.7
100.0	6 ± 0.7
333.0	3 ± 0.6
1000.0	5 ± 4.0
3333.0	
Trial Summary	Negative
Positive Control ²	145 ± 12.4
Positive Control ⁴	
Positive Control ⁵	

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Test Compound: Sulfanilamide

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	33 ± 2.9	32 ± 0.9	44 ± 3.0	34 ± 2.3	53 ± 4.0
10.0		28 ± 4.1		38 ± 1.5	
33.0	39 ± 1.5	32 ± 3.2	47 ± 1.0	35 ± 0.7	44 ± 2.4
100.0	35 ± 3.5	29 ± 4.0	54 ± 6.2	39 ± 2.5	47 ± 4.1
333.0	43 ± 1.7	31 ± 4.8	38 ± 3.3	40 ± 5.9	42 ± 5.2
1000.0	31 ± 3.3	22 ± 4.4	53 ± 3.9	33 ± 4.4	35 ± 4.9
3333.0	13 ± 1.2		36 ± 1.2		13 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1301 ± 188.1	836 ± 92.7	2359 ± 68.5
Positive Control ⁶	394 ± 11.4	317 ± 16.4			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	44 ± 4.5
10.0	38 ± 4.6
33.0	41 ± 2.6
100.0	39 ± 0.0
333.0	37 ± 3.9
1000.0	24 ± 2.9
3333.0	
Trial Summary	Negative
Positive Control ²	2428 ± 150.1
Positive Control 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 2-Aminoanthracene
- 3: 3.3 ug/Plate Sodium Azide
- 4: 33.0 ug/Plate 9-Aminoacridine
- 5: 33.0 ug/Plate 2-Aminoanthracene
- 6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****