

Experiment Number: **031562**

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

G06: Ames Summary Data

Test Compound: **Salicylazosulfapyridine**

CAS Number: **599-79-1**

Date Report Requested: **09/14/2018**

Time Report Requested: **19:22:31**

NTP Study Number:

031562

Study Result:

Negative

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Test Compound: Salicylazosulfapyridine

CAS Number: 599-79-1

Date Report Requested: 09/14/2018

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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	103 ± 2.1	94 ± 6.7	124 ± 9.0	132 ± 4.7	96 ± 4.6
33.0				105 ± 2.0	
100.0	83 ± 3.3	101 ± 4.8	118 ± 6.6	96 ± 3.2	97 ± 4.8
333.0	110 ± 4.7	78 ± 1.8	101 ± 8.5	113 ± 8.5	94 ± 6.4
1000.0	111 ± 10.2	93 ± 1.2	137 ± 8.7	116 ± 5.9	101 ± 4.4
3333.0	91 ± 3.5	87 ± 3.8	101 ± 3.8 ^s	117 ± 5.3	94 ± 4.3 ^s
6666.0	77 ± 3.5 ^s	84 ± 4.4 ^s	102 ± 7.0 ^s		102 ± 7.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1264 ± 64.3
Positive Control ³			1038 ± 35.8		
Positive Control ⁴				787 ± 16.7	
Positive Control ⁵	1150 ± 79.4	1276 ± 14.0			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	100 ± 8.7
33.0	105 ± 10.4
100.0	102 ± 2.4
333.0	107 ± 4.7
1000.0	117 ± 9.5
3333.0	103 ± 13.8
6666.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	2153 ± 47.9
Positive Control ⁵	

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CAS Number: 599-79-1

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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	28 ± 5.2	13 ± 1.2	14 ± 1.5	14 ± 0.6	14 ± 0.9
33.0				11 ± 1.7	
100.0	21 ± 3.3	16 ± 1.2	15 ± 1.2	13 ± 2.5	13 ± 1.5
333.0	23 ± 4.7	15 ± 2.0	10 ± 2.0	12 ± 0.9	9 ± 0.7
1000.0	26 ± 3.1	19 ± 3.2	10 ± 0.0	14 ± 1.7	12 ± 2.0
3333.0	19 ± 1.5	16 ± 0.7	11 ± 1.9 ^S	12 ± 1.5	12 ± 0.3 ^S
6666.0	10 ± 3.7 ^S	17 ± 1.9 ^S	17 ± 0.9 ^S		17 ± 2.1 ^S
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					153 ± 9.5
Positive Control ³			117 ± 11.7		
Positive Control ⁴				165 ± 4.4	
Positive Control ⁵	796 ± 21.3	1063 ± 12.5			

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 2.8
33.0	10 ± 2.4
100.0	14 ± 4.1
333.0	15 ± 2.6
1000.0	11 ± 0.7
3333.0	11 ± 3.2
6666.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	461 ± 16.3
Positive Control ⁵	

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CAS Number: 599-79-1

Date Report Requested: 09/14/2018

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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	93 ± 2.0	89 ± 7.0	148 ± 9.5	138 ± 16.2	138 ± 3.8
33.0				154 ± 3.6	
100.0	98 ± 7.3	88 ± 3.8	119 ± 7.0	140 ± 12.5	143 ± 9.8
333.0	108 ± 3.8	85 ± 6.0	151 ± 3.0	158 ± 3.8	129 ± 4.7
1000.0	96 ± 2.9	83 ± 1.5	140 ± 3.4	163 ± 1.5	149 ± 4.4
3333.0	94 ± 6.7 ^s	86 ± 5.5	111 ± 7.2 ^s	143 ± 7.8	113 ± 10.8 ^s
6666.0	50 ± 7.2 ^s	83 ± 2.8 ^s	109 ± 6.5 ^s		91 ± 4.4 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					904 ± 14.5
Positive Control ³			736 ± 29.6		
Positive Control ⁴				489 ± 24.3	
Positive Control ⁶	759 ± 30.7	542 ± 20.5			

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CAS Number: 599-79-1

Date Report Requested: 09/14/2018

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	144 ± 6.1
33.0	144 ± 12.2
100.0	146 ± 11.9
333.0	130 ± 2.1
1000.0	134 ± 4.9
3333.0	140 ± 4.2
6666.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	1039 ± 17.2
Positive Control ⁶	

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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	15 ± 1.2	25 ± 2.0	33 ± 3.5	31 ± 3.2	39 ± 3.8
33.0				31 ± 5.2	
100.0	14 ± 2.6	27 ± 3.6	38 ± 2.6	30 ± 1.5	35 ± 1.5
333.0	15 ± 4.2	29 ± 2.9	43 ± 1.5	25 ± 3.9	35 ± 3.4
1000.0	13 ± 3.1	24 ± 3.4	44 ± 1.8	31 ± 3.0	40 ± 1.7
3333.0	16 ± 0.7	24 ± 2.0	29 ± 3.2	17 ± 0.9	21 ± 1.5 ^s
6666.0	20 ± 2.3 ^s	10 ± 1.9	21 ± 1.3 ^s		17 ± 1.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1720 ± 32.0
Positive Control ³			1210 ± 11.3		
Positive Control ⁴				699 ± 8.4	
Positive Control ⁷	1979 ± 26.9	1292 ± 65.1			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	32 ± 1.2
33.0	28 ± 6.1
100.0	28 ± 2.0
333.0	34 ± 4.7
1000.0	37 ± 0.7
3333.0	29 ± 3.1
6666.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	2086 ± 18.8
Positive Control ⁷	

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****