

Experiment Number: 852372

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

G06: Ames Summary Data

Test Compound: **Sodium dehydroacetate**

CAS Number: 4418-26-2

Date Report Requested: 09/16/2018

Time Report Requested: 08:56:05

NTP Study Number:

852372

Study Result:

Negative

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Test Compound: Sodium dehydroacetate

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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	141 ± 2.9	122 ± 24.2	164 ± 12.7	158 ± 5.0	163 ± 5.7
33.0	129 ± 8.4	107 ± 2.9	174 ± 13.1	148 ± 12.2	183 ± 11.5
100.0	162 ± 7.6	115 ± 14.1	166 ± 9.4	161 ± 14.7	172 ± 4.0
333.0	127 ± 3.5	104 ± 5.5	178 ± 1.9	146 ± 12.7	161 ± 6.3
1000.0	125 ± 6.4	100 ± 5.8	196 ± 10.3	134 ± 28.7	145 ± 7.9
1820.0	118 ± 1.3	85 ± 9.5	172 ± 5.5	138 ± 23.6	149 ± 7.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1117 ± 48.9	3149 ± 19.0	1515 ± 14.5
Positive Control ³	601 ± 76.6	571 ± 9.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	148 ± 7.5
33.0	165 ± 7.0
100.0	144 ± 9.0
333.0	150 ± 1.5
1000.0	137 ± 6.8
1820.0	128 ± 9.9
Trial Summary	Negative
Positive Control ²	1427 ± 79.8
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	8 ± 1.8	5 ± 1.7	10 ± 1.2	6 ± 2.3	8 ± 1.3
33.0	7 ± 1.0	6 ± 0.9	9 ± 0.7	4 ± 1.2	12 ± 0.3
100.0	11 ± 0.7	6 ± 1.3	11 ± 2.3	5 ± 0.6	10 ± 0.3
333.0	8 ± 1.2	3 ± 0.9	9 ± 1.2	7 ± 2.0	12 ± 2.6
1000.0	10 ± 2.6	4 ± 1.2	9 ± 0.7	5 ± 0.3	9 ± 1.8
1820.0	8 ± 0.6	4 ± 1.0	12 ± 1.2	6 ± 1.3	17 ± 2.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			320 ± 6.2	80 ± 4.7	136 ± 4.7
Positive Control ³	567 ± 12.0	168 ± 5.9			

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G06: Ames Summary Data

Test Compound: **Sodium dehydroacetate**

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.2
33.0	6 ± 1.7
100.0	6 ± 1.2
333.0	12 ± 3.2
1000.0	5 ± 1.2
1820.0	7 ± 3.3
Trial Summary	Negative
Positive Control ²	119 ± 3.7
Positive Control ³	

Experiment Number: 852372

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

Test Compound: Sodium dehydroacetate

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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	4 ± 0.9	4 ± 2.0	7 ± 2.0	6 ± 1.8	6 ± 1.2
33.0	6 ± 1.2	5 ± 1.2	9 ± 1.5	6 ± 1.2	3 ± 0.0
100.0	8 ± 0.7	5 ± 2.2	8 ± 1.0	5 ± 1.2	11 ± 0.9
333.0	4 ± 1.2	5 ± 0.6	7 ± 0.7	4 ± 1.2	8 ± 0.3
1000.0	4 ± 0.9	3 ± 0.9	11 ± 1.3	7 ± 1.7	10 ± 2.6
1820.0	6 ± 1.2	4 ± 1.8	9 ± 0.6	5 ± 1.7	7 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			111 ± 8.0	129 ± 9.2	84 ± 4.5
Positive Control ⁴	1336 ± 291.0	1088 ± 11.7			

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Test Compound: **Sodium dehydroacetate**

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.3
33.0	4 ± 1.7
100.0	6 ± 1.8
333.0	3 ± 1.3
1000.0	5 ± 1.5
1820.0	4 ± 0.9
Trial Summary	Negative
Positive Control ²	150 ± 5.2
Positive Control ⁴	

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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	24 ± 5.0	14 ± 2.5	33 ± 0.7	26 ± 4.5	28 ± 1.0
33.0	22 ± 1.2	12 ± 0.7	32 ± 3.5	17 ± 4.2	30 ± 2.0
100.0	20 ± 1.3	11 ± 0.3	35 ± 1.8	26 ± 1.0	29 ± 1.8
333.0	19 ± 3.8	12 ± 0.6	26 ± 1.2	17 ± 1.5	28 ± 2.3
1000.0	20 ± 4.1	8 ± 1.9	27 ± 1.8	17 ± 2.6	33 ± 2.9
1820.0	12 ± 0.6	8 ± 0.9	17 ± 0.3	11 ± 2.0	15 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			938 ± 19.5	1621 ± 71.4	744 ± 79.6
Positive Control ⁵	323 ± 5.9	407 ± 11.3			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	22 ± 3.2
33.0	20 ± 2.3
100.0	23 ± 0.5
333.0	17 ± 2.9
1000.0	19 ± 4.0
1820.0	12 ± 1.2
Trial Summary	Negative
Positive Control ²	1183 ± 35.7
Positive Control ⁵	

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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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****