

Experiment Number: 590675

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Carminic acid

CAS Number: 1260-17-9

Date Report Requested: 09/14/2018

Time Report Requested: 18:02:23

NTP Study Number:

590675

Study Result:

Weakly Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	100 ± 10.2	115 ± 9.4	128 ± 7.0	138 ± 5.2	137 ± 12.1
100.0	121 ± 5.5	132 ± 5.5	140 ± 13.4	134 ± 4.0	135 ± 6.4
333.0	120 ± 6.2	143 ± 5.5	158 ± 4.1	122 ± 9.2	123 ± 0.3
1000.0	164 ± 12.4	166 ± 9.6	188 ± 10.5	138 ± 5.5	128 ± 9.5
3333.0	172 ± 9.7	160 ± 9.4	197 ± 8.9	134 ± 1.9	124 ± 8.7
6666.0		124 ± 24.6 ^s			
10000.0	114 ± 3.4		114 ± 9.2	117 ± 2.1	136 ± 3.0
Trial Summary	Weakly Positive	Weakly Positive	Weakly Positive	Negative	Negative
Positive Control ²					541 ± 17.0
Positive Control ³	284 ± 13.8	449 ± 16.4	278 ± 2.7		
Positive Control ⁴				439 ± 9.0	

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Strain: TA1535

Dose (ug/Plate)	Without S9
Vehicle Control ¹	20 ± 4.0
100.0	27 ± 3.5
333.0	20 ± 1.2
1000.0	18 ± 1.7
3333.0	21 ± 4.2
10000.0	18 ± 0.9
Trial Summary	Negative
Positive Control ³	457 ± 19.3

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	20 ± 1.7	24 ± 2.3	22 ± 1.5
100.0	15 ± 0.6	21 ± 2.2	24 ± 1.5
333.0	11 ± 0.7	21 ± 5.3	21 ± 2.1
1000.0	13 ± 2.6	21 ± 3.4	23 ± 3.7
3333.0	13 ± 0.7	19 ± 1.2	20 ± 3.5
10000.0	9 ± 0.9	21 ± 0.9	20 ± 1.8
Trial Summary	Negative	Negative	Negative
Positive Control ²		94 ± 6.6	273 ± 4.0
Positive Control ⁵	477 ± 9.8		

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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: 1.0 ug/Plate Sodium Azide
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

**** END OF REPORT ****