

Experiment Number: 634899

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Aminoanthraquinone

CAS Number: 117-79-3

Date Report Requested: 09/10/2018

Time Report Requested: 22:43:10

NTP Study Number:

634899

Study Result:

Positive

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CAS Number: 117-79-3

Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	126 ± 8.1	121 ± 11.0	134 ± 7.7	146 ± 8.9	113 ± 7.6
1.0		155 ± 4.5	113 ± 6.1	124 ± 0.9	96 ± 6.0
3.0		154 ± 9.7	147 ± 6.4	140 ± 19.3	108 ± 9.3
10.0		203 ± 5.5	155 ± 1.9	201 ± 9.3	137 ± 6.9
33.0		361 ± 15.0	172 ± 5.5	371 ± 30.8	171 ± 2.8
100.0	124 ± 7.5	497 ± 22.7	407 ± 11.9	669 ± 45.9	564 ± 12.7
333.0	127 ± 13.0				
1000.0	107 ± 7.5 ^P				
3333.0	105 ± 7.5 ^P				
10000.0	92 ± 8.5 ^P				
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²					630 ± 22.4
Positive Control ³				457 ± 16.5	
Positive Control ⁴	408 ± 17.6				
Positive Control ⁵		494 ± 21.1	480 ± 17.0		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	19 ± 3.3	17 ± 1.8	25 ± 2.3	26 ± 1.2	23 ± 1.7
1.0			39 ± 5.8	27 ± 3.7	24 ± 2.3
1.6				43 ± 6.4	
3.0			113 ± 9.9	51 ± 6.1	68 ± 4.9
6.0					
10.0			173 ± 19.7	226 ± 15.3	420 ± 80.2
33.0			804 ± 45.0	475 ± 9.5	628 ± 8.7
100.0	23 ± 3.7	31 ± 1.5	1342 ± 38.0		1014 ± 55.2
333.0	32 ± 1.7	29 ± 2.4			
1000.0	31 ± 5.5 ^p	40 ± 1.3 ^p			
3333.0	36 ± 8.9 ^p	45 ± 1.2 ^p			
10000.0	27 ± 3.3 ^p	42 ± 1.2 ^p			
Trial Summary	Equivocal	Equivocal	Positive	Positive	Positive
Positive Control ²					
Positive Control ³			259 ± 7.2	191 ± 9.3	441 ± 27.8
Positive Control ⁶	520 ± 29.2	594 ± 40.3			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	20 ± 0.3
1.0	20 ± 2.5
1.6	21 ± 3.5
3.0	25 ± 2.3
6.0	55 ± 3.1
10.0	92 ± 9.1
33.0	
100.0	
333.0	
1000.0	
3333.0	
10000.0	
Trial Summary	Positive
Positive Control ²	536 ± 22.4
Positive Control ³	
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: 0.5 ug/Plate 2-Aminoanthracene
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 1.0 ug/Plate Sodium Azide
- 5: 2.5 ug/Plate 2-Aminoanthracene
- 6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- p: Precipitate

**** END OF REPORT ****