

Experiment Number: 217835

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

G06: Ames Summary Data

Test Compound: **1-Amino-2-methylantraquinone**

CAS Number: **82-28-0**

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

Time Report Requested: **21:05:06**

NTP Study Number:

217835

Study Result:

Positive

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Test Compound: 1-Amino-2-methylantraquinone

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	95 ± 1.7	86 ± 6.8	88 ± 3.1	101 ± 3.0
33.0	90 ± 2.3	108 ± 2.1	95 ± 6.7	112 ± 11.4
100.0	78 ± 1.2	111 ± 5.7	114 ± 2.0	124 ± 3.3
333.0	89 ± 6.9 ^P	121 ± 4.6	101 ± 3.3	99 ± 8.1
1000.0	95 ± 6.2 ^P	136 ± 8.7 ^P	118 ± 11.0 ^P	85 ± 15.5 ^P
3333.0	86 ± 6.1 ^P	257 ± 14.6 ^P	189 ± 9.2 ^X	78 ± 13.3 ^P
Trial Summary	Negative	Positive	Weakly Positive	Negative
Positive Control ²	467 ± 11.5			
Positive Control ³				341 ± 4.2
Positive Control ⁴		319 ± 14.6	232 ± 14.9	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	17 ± 3.7	28 ± 2.9	20 ± 1.7	36 ± 6.7	27 ± 1.8
33.0	20 ± 2.8	84 ± 2.4	95 ± 13.0	81 ± 0.0	79 ± 5.8
100.0	16 ± 2.2 ^P	162 ± 15.9	143 ± 8.7	141 ± 3.7	173 ± 5.0
333.0	18 ± 2.0 ^P	225 ± 15.8	216 ± 11.6	467 ± 15.2	407 ± 24.9
1000.0	15 ± 2.0 ^P	277 ± 1.2 ^P	259 ± 5.8 ^P	448 ± 14.8 ^P	433 ± 14.2
3333.0	18 ± 3.8 ^P	355 ± 28.0 ^P	394 ± 18.3 ^X	565 ± 27.0 ^P	485 ± 11.9 ^X
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ⁵				86 ± 7.5	76 ± 4.1
Positive Control ³		93 ± 5.7	85 ± 4.0		
Positive Control ⁶	209 ± 12.5				

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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: Dimethyl Sulfoxide

2: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

x: Slight Toxicity and Precipitate

**** END OF REPORT ****