

Experiment Number: 635282

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Michler's ketone

CAS Number: 90-94-8

Date Report Requested: 09/10/2018

Time Report Requested: 22:46:54

NTP Study Number:

635282

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	96 ± 3.5	90 ± 1.7	93 ± 6.9
100.0	84 ± 1.2	96 ± 3.7	117 ± 3.6
333.0	84 ± 3.4	100 ± 7.5	103 ± 12.7
1000.0	79 ± 1.9	96 ± 8.7	104 ± 4.6
3333.0	85 ± 4.4 ^P	112 ± 11.6 ^P	111 ± 2.8 ^P
10000.0	85 ± 2.9 ^P	107 ± 10.9 ^P	117 ± 9.2 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ²			551 ± 11.5
Positive Control ³	352 ± 7.2		
Positive Control ⁴		514 ± 45.4	

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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	15 ± 1.0	33 ± 2.4	30 ± 1.7	23 ± 2.6	18 ± 0.9
100.0	18 ± 5.5	36 ± 2.3		26 ± 3.0	
333.0	11 ± 0.6	39 ± 2.2	41 ± 1.2	30 ± 1.5	26 ± 0.7
1000.0	10 ± 0.7	30 ± 4.7	39 ± 1.2	31 ± 5.0	28 ± 4.8
1666.0			51 ± 5.2 ^P		26 ± 4.1 ^P
3333.0	14 ± 1.9 ^P	62 ± 2.6 ^P	70 ± 3.0 ^P	47 ± 4.9 ^P	42 ± 3.9 ^P
10000.0	15 ± 1.5 ^P	71 ± 4.1 ^P	119 ± 13.3 ^P	56 ± 3.3 ^P	95 ± 15.6 ^P
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		128 ± 4.2	98 ± 16.6	382 ± 12.2	224 ± 9.3
Positive Control ⁵	688 ± 45.8				

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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: Acetone

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

p: Precipitate

**** END OF REPORT ****