

Experiment Number: 051592

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 8-Methylquinoline

CAS Number: 611-32-5

Date Report Requested: 09/15/2018

Time Report Requested: 02:24:28

NTP Study Number:

051592

Study Result:

Positive

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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	163 ± 3.8	146 ± 9.6	177 ± 3.8	180 ± 3.8	157 ± 7.7
3.0					214 ± 9.5
10.0	143 ± 5.5		162 ± 5.5	212 ± 16.2	246 ± 15.3
33.0	147 ± 2.6	184 ± 23.5	222 ± 4.6	250 ± 4.7	330 ± 16.4
100.0	149 ± 7.9	229 ± 16.3	281 ± 10.1	396 ± 22.7	663 ± 0.9
166.0				559 ± 32.9	982 ± 20.7
333.0	139 ± 6.7	285 ± 11.1	306 ± 12.6	880 ± 127.9	
666.0	101 ± 6.4		276 ± 8.4		
1000.0		201 ± 9.8			
1666.0		156 ± 16.6			
Trial Summary	Negative	Weakly Positive	Weakly Positive	Positive	Positive
Positive Control ²				545 ± 10.8	600 ± 14.6
Positive Control ³	439 ± 15.8				
Positive Control ⁴		527 ± 27.3	462 ± 15.9		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	21 ± 2.4	42 ± 2.5	34 ± 3.1	26 ± 0.7
10.0	22 ± 1.2		36 ± 3.8	25 ± 1.9
33.0	19 ± 1.0	45 ± 9.0	34 ± 5.2	41 ± 4.1
100.0	20 ± 0.3	47 ± 4.8	73 ± 4.7	90 ± 3.5
166.0			117 ± 10.5	147 ± 9.8
333.0	21 ± 2.3	31 ± 2.4	199 ± 46.7	240 ± 22.1
666.0	13 ± 1.5			
1000.0		39 ± 1.5		
1666.0		18 ± 3.0		
Trial Summary	Negative	Negative	Positive	Positive
Positive Control ²		134 ± 5.9	283 ± 13.6	316 ± 5.9
Positive Control ⁵	522 ± 21.6			

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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: 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

**** END OF REPORT ****