

Experiment Number: 592650

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 8-Hydroxyquinoline sulfate

CAS Number: 134-31-6

Date Report Requested: 09/14/2018

Time Report Requested: 18:10:07

NTP Study Number: 592650

Study Result: Positive

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Test Compound: 8-Hydroxyquinoline sulfate

CAS Number: 134-31-6

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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	168 ± 5.2	162 ± 12.1	167 ± 9.5	185 ± 1.5	174 ± 4.0
1.0					172 ± 19.8
3.0	181 ± 16.0	194 ± 3.3	190 ± 10.2	234 ± 18.6	194 ± 5.4
10.0	181 ± 4.2	240 ± 13.1	255 ± 4.9		213 ± 6.8
16.0		273 ± 9.1			
33.0	154 ± 8.6	444 ± 14.2	424 ± 17.9	273 ± 8.2	278 ± 14.7
100.0	61 ± 3.8	588 ± 18.8	621 ± 12.3	343 ± 7.5	298 ± 11.1
166.0	Toxic		349 ± 18.5		
333.0				107 ± 12.5	
666.0				0 ± 0.0 ^s	
Trial Summary	Negative	Positive	Positive	Positive	Weakly 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% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	21 ± 0.9	35 ± 4.3	43 ± 4.1	35 ± 0.9	36 ± 2.4
1.0					33 ± 4.2
3.0	24 ± 4.5	34 ± 4.2		35 ± 4.7	32 ± 4.1
10.0	23 ± 3.8	39 ± 4.3	48 ± 4.2		32 ± 5.5
16.0			43 ± 4.5		
33.0	21 ± 2.7	71 ± 2.1	72 ± 3.9	39 ± 0.9	31 ± 9.7
66.0			86 ± 3.5		
100.0	10 ± 1.3	78 ± 7.3	57 ± 2.3	41 ± 2.1	31 ± 3.1
166.0	10 ± 0.9	43 ± 6.7			
333.0				11 ± 0.7	
666.0				0 ± 0.0	
Trial Summary	Negative	Positive	Positive	Negative	Negative
Positive Control ²		134 ± 5.9	118 ± 5.5	283 ± 13.6	316 ± 5.9
Positive Control ⁵	522 ± 21.6				

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Mutagenicity**

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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: Water

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 ****