

Experiment Number: 497400

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hycanthone methanesulfonate

CAS Number: 23255-93-8

Date Report Requested: 09/12/2018

Time Report Requested: 04:36:56

NTP Study Number:

497400

Study Result:

Positive

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Mutagenicity**G06: Ames Summary Data**Test Compound: Hycanthone methanesulfonate
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	159 ± 9.6	171 ± 6.7	179 ± 4.6	165 ± 6.4	186 ± 4.9
1.0	177 ± 8.6	207 ± 7.0	215 ± 11.3		
3.0	247 ± 12.2	287 ± 7.4	239 ± 2.9	155 ± 5.2	177 ± 7.2
10.0	392 ± 11.5	529 ± 28.3	290 ± 7.8	205 ± 9.6	201 ± 10.4
16.0	515 ± 3.9	667 ± 7.1			
33.0	927 ± 12.3	772 ± 55.2	543 ± 14.4	358 ± 13.7	265 ± 40.3
66.0			738 ± 44.2	576 ± 7.6	402 ± 12.5
100.0				837 ± 73.6	554 ± 61.1
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	439 ± 15.8	470 ± 16.8			
Positive Control ³					545 ± 10.8
Positive Control ⁴			595 ± 8.5	462 ± 15.9	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	170 ± 4.6
1.0	249 ± 3.8
3.0	318 ± 31.5
10.0	399 ± 8.1
16.0	
33.0	550 ± 23.9
66.0	699 ± 21.3
100.0	
Trial Summary	Positive
Positive Control ²	
Positive Control ³	641 ± 29.9
Positive Control ⁴	

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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	20 ± 2.1	32 ± 3.5	42 ± 6.0	44 ± 3.8	38 ± 3.2
0.3		34 ± 8.5			
1.0	44 ± 3.5	60 ± 9.3		50 ± 3.2	
3.0	97 ± 7.7	167 ± 5.2	47 ± 11.5	71 ± 8.4	47 ± 3.8
6.0		298 ± 9.7			
10.0	333 ± 13.9	363 ± 7.0	72 ± 8.1	131 ± 29.1	58 ± 7.5
16.0	458 ± 20.8			217 ± 1.9	
33.0	822 ± 55.0		276 ± 5.0	269 ± 13.2	144 ± 10.7
66.0			404 ± 39.3		365 ± 6.1
100.0			719 ± 88.9		475 ± 16.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ³			134 ± 5.9	107 ± 11.0	283 ± 13.6
Positive Control ⁵	522 ± 21.6	502 ± 21.0			

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CAS Number: 23255-93-8

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	41 ± 4.0
0.3	
1.0	
3.0	49 ± 3.8
6.0	
10.0	61 ± 4.3
16.0	120 ± 11.9
33.0	126 ± 9.1
66.0	266 ± 10.6
100.0	
Trial Summary	Positive
Positive Control ³	256 ± 3.5
Positive Control 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: Water

2: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****