

Experiment Number: 620111

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Cyclopentaphenanthrene

CAS Number: 203-64-5

Date Report Requested: 09/15/2018

Time Report Requested: 08:06:54

NTP Study Number:

620111

Study Result:

Positive

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Test Compound: Cyclopentaphenanthrene
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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	99 ± 6.0	117 ± 6.7	167 ± 13.9	120 ± 2.6	166 ± 3.8
1.0	88 ± 4.5				
3.3	80 ± 6.2	127 ± 6.8	195 ± 4.5	108 ± 2.5	174 ± 3.4
10.0	75 ± 2.3 ^s	160 ± 2.5	200 ± 5.5	164 ± 0.6	195 ± 6.9
33.0	69 ± 3.0 ^s	329 ± 17.2	400 ± 15.6	240 ± 4.5	284 ± 8.2
67.0	52 ± 5.9 ^s				
100.0		368 ± 2.0	539 ± 42.8	340 ± 24.6	513 ± 32.8
333.0		108 ± 5.5 ^s	118 ± 14.9 ^s	177 ± 4.0 ^s	149 ± 9.5 ^s
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²	289 ± 4.1				
Positive Control ³				840 ± 63.7	541 ± 22.3
Positive Control ⁴			1281 ± 21.3		
Positive Control ⁵		1299 ± 31.2			

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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	18 ± 2.2	30 ± 0.6	28 ± 2.6	35 ± 3.8	28 ± 4.2
1.0	17 ± 1.5				
3.3	15 ± 0.9	29 ± 4.1	27 ± 1.5	24 ± 1.3	26 ± 3.0
10.0	11 ± 0.3 ^s	46 ± 4.2	39 ± 2.6	41 ± 1.5	36 ± 1.2
33.0	15 ± 1.2 ^s	52 ± 4.3	47 ± 1.0	67 ± 8.7	41 ± 6.8
67.0	9 ± 1.7 ^s				
100.0		52 ± 1.5	46 ± 3.4	83 ± 8.6	89 ± 5.8
333.0		31 ± 2.6	29 ± 0.7 ^s	41 ± 0.6	33 ± 2.9 ^s
Trial Summary	Negative	Negative	Negative	Positive	Equivocal
Positive Control ⁶				163 ± 2.6	145 ± 3.1
Positive Control ⁷	329 ± 9.5				
Positive Control ³		417 ± 9.5	328 ± 7.1		

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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 4-Nitro-O-Phenylenediamine

5: 2.0 ug/Plate 2-Aminoanthracene

6: 0.4 ug/Plate 2-Aminoanthracene

7: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****