

Experiment Number: 538331

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **2,5-Dinitro-9H-fluorene**

CAS Number: **15110-74-4**

Date Report Requested: **09/13/2018**

Time Report Requested: **00:41:16**

NTP Study Number:

538331

Study Result:

Positive

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Mutagenicity**G06: Ames Summary Data**Test Compound: 2,5-Dinitro-9H-fluorene
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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	87 ± 3.7	111 ± 1.5	106 ± 7.5	154 ± 9.1	88 ± 3.7
0.0	85 ± 2.9	101 ± 5.5			
0.003	81 ± 3.0	125 ± 10.8			
0.03	87 ± 10.2	132 ± 2.6			
0.1			99 ± 3.2	149 ± 7.8	99 ± 7.8
0.3	332 ± 10.7	320 ± 6.7	106 ± 7.7	146 ± 4.0	111 ± 1.2
1.0			125 ± 7.9	167 ± 8.1	105 ± 8.1
3.3	2181 ± 18.2	2188 ± 30.9	211 ± 14.7	269 ± 9.3	222 ± 15.0
10.0			830 ± 52.0	540 ± 21.0	1242 ± 75.4
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	412 ± 14.4	274 ± 5.7			
Positive Control ³					967 ± 32.7
Positive Control ⁴			344 ± 10.9	394 ± 10.5	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	160 ± 12.5
0.0	
0.003	
0.03	
0.1	151 ± 6.7
0.3	153 ± 8.7
1.0	172 ± 10.1
3.3	291 ± 10.0
10.0	1502 ± 61.5
Trial Summary	Positive
Positive Control ²	
Positive Control ³	585 ± 37.2
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	15 ± 2.8	11 ± 0.6	20 ± 2.0	10 ± 1.0	22 ± 1.5
0.0	18 ± 2.2	11 ± 0.3			
0.003	32 ± 2.6	26 ± 3.6			
0.03	198 ± 3.5	119 ± 5.0			
0.1			31 ± 4.4	29 ± 4.4	29 ± 3.7
0.3	1263 ± 8.8	1031 ± 8.1	51 ± 3.9	40 ± 0.6	55 ± 0.6
1.0			200 ± 16.6	161 ± 7.4	183 ± 9.8
3.3	3496 ± 103.1	3447 ± 105.8	1064 ± 27.4	880 ± 37.1	843 ± 26.5
10.0			4476 ± 150.1	3220 ± 46.2	4567 ± 72.5
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ⁵					93 ± 8.5
Positive Control ³			107 ± 5.9	75 ± 0.9	
Positive Control ⁶	164 ± 8.5	100 ± 8.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 1.7
0.0	
0.003	
0.03	
0.1	25 ± 0.3
0.3	63 ± 2.6
1.0	264 ± 14.3
3.3	1610 ± 142.4
10.0	4650 ± 24.4
Trial Summary	Positive
Positive Control ⁵	120 ± 9.2
Positive Control ³	
Positive Control 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: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****