

Experiment Number: 104285

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,7-Dinitro-9H-fluoren-9-one

CAS Number: 31551-45-8

Date Report Requested: 09/11/2018

Time Report Requested: 13:58:45

NTP Study Number:

104285

Study Result:

Positive

Experiment Number: 104285

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,7-Dinitro-9H-fluoren-9-one

CAS Number: 31551-45-8

Date Report Requested: 09/11/2018

Time Report Requested: 13:58:45

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	77 ± 5.5	96 ± 2.0	96 ± 8.4	109 ± 6.8	85 ± 2.7
0.01		96 ± 5.8			
0.03		128 ± 3.9			
0.1	172 ± 6.4	291 ± 10.9			
0.3	410 ± 15.6	1437 ± 32.4	101 ± 3.2	106 ± 3.5	83 ± 7.4
1.0	1773 ± 139.3	2493 ± 33.9	134 ± 4.3	158 ± 21.1	122 ± 10.8
3.3	3682 ± 160.4		164 ± 10.3	193 ± 14.4	149 ± 4.4
6.7	3059 ± 237.5				
10.0			275 ± 10.6	371 ± 23.4	355 ± 8.4
33.0			1135 ± 11.6	1465 ± 66.4	2329 ± 334.5
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	207 ± 17.2	265 ± 4.8			
Positive Control ³			267 ± 4.2		356 ± 17.4
Positive Control ⁴				349 ± 31.2	

Experiment Number: 104285

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,7-Dinitro-9H-fluoren-9-one

CAS Number: 31551-45-8

Date Report Requested: 09/11/2018

Time Report Requested: 13:58:45

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	99 ± 2.6
0.01	
0.03	
0.1	
0.3	97 ± 3.4
1.0	110 ± 2.3
3.3	203 ± 4.9
6.7	
10.0	558 ± 16.5
33.0	2415 ± 5.1
Trial Summary	Positive
Positive Control ²	
Positive Control ³	344 ± 10.4
Positive Control ⁴	

Experiment Number: 104285

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,7-Dinitro-9H-fluoren-9-one

CAS Number: 31551-45-8

Date Report Requested: 09/11/2018

Time Report Requested: 13:58:45

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	13 ± 2.1	12 ± 1.0	21 ± 4.1	22 ± 0.9	26 ± 4.8
0.01		78 ± 4.2			
0.03		333 ± 5.5			
0.1	4428 ± 54.0	886 ± 5.6			
0.3	4293 ± 109.3	3580 ± 111.4	64 ± 4.9	117 ± 1.5	32 ± 4.3
1.0	3894 ± 14.8	4421 ± 37.0	164 ± 12.1	186 ± 16.0	64 ± 2.3
3.3	2940 ± 141.7 ^s		334 ± 34.9	498 ± 20.9	251 ± 12.8
6.7	81 ± 8.6 ^s				
10.0			960 ± 35.5	1446 ± 17.0	1112 ± 35.0
33.0			3540 ± 155.8	3936 ± 122.6	3860 ± 91.6
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ⁵					85 ± 4.9
Positive Control ⁶	144 ± 15.6	123 ± 9.2			
Positive Control ³			84 ± 8.7	134 ± 9.7	

Experiment Number: 104285

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,7-Dinitro-9H-fluoren-9-one

CAS Number: 31551-45-8

Date Report Requested: 09/11/2018

Time Report Requested: 13:58:45

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	28 ± 6.7
0.01	
0.03	
0.1	
0.3	63 ± 4.9
1.0	85 ± 4.2
3.3	433 ± 25.1
6.7	
10.0	1825 ± 58.7
33.0	4526 ± 72.1
Trial Summary	Positive
Positive Control ⁵	83 ± 5.6
Positive Control ⁶	
Positive Control ³	

Experiment Number: 104285

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

G06: Ames Summary Data

Test Compound: **2,7-Dinitro-9H-fluoren-9-one**

CAS Number: 31551-45-8

Date Report Requested: 09/11/2018

Time Report Requested: 13:58:45

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

s: Slight Toxicity

**** END OF REPORT ****