

Experiment Number: **675478**

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

G06: Ames Summary Data

Test Compound: **C.I. Solvent red 80 (8CI)**

CAS Number: **6358-53-8**

Date Report Requested: **09/12/2018**

Time Report Requested: **06:26:26**

NTP Study Number:

675478

Study Result:

Positive

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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	118 ± 7.8	140 ± 7.2	130 ± 3.6	127 ± 0.7	140 ± 10.3
3.3		166 ± 5.1	170 ± 3.6	136 ± 3.2	157 ± 10.7
10.0		179 ± 4.4	176 ± 10.7	171 ± 4.6	192 ± 6.8
33.0		248 ± 6.7	261 ± 10.6	283 ± 7.9	324 ± 11.3
67.0			267 ± 10.2 ^p		392 ± 15.0 ^p
100.0	112 ± 6.4 ^p	263 ± 13.5 ^p	280 ± 17.3 ^p	330 ± 8.7 ^p	352 ± 16.0 ^p
333.0	126 ± 8.1 ^p	271 ± 3.3 ^p	281 ± 7.6 ^p	338 ± 7.0 ^p	345 ± 11.0 ^p
1000.0	115 ± 8.5 ^p				
3333.0	129 ± 3.8 ^p				
5000.0	114 ± 5.8 ^p				
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²	542 ± 18.1				
Positive Control ³				889 ± 97.5	955 ± 29.9
Positive Control ⁴		1611 ± 26.2	1324 ± 23.2		

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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	16 ± 2.4	25 ± 4.0	33 ± 5.9	29 ± 4.3	29 ± 4.5
3.3		35 ± 1.5	37 ± 5.5	34 ± 3.5	35 ± 1.9
10.0		37 ± 2.5	42 ± 3.2	62 ± 1.2	50 ± 1.8
33.0		47 ± 7.8 ^p	59 ± 2.6	72 ± 6.0 ^p	78 ± 1.0
67.0			64 ± 2.3 ^p		86 ± 7.6 ^p
100.0	17 ± 2.4 ^p	50 ± 3.2 ^p	57 ± 0.6 ^p	69 ± 9.9 ^p	89 ± 2.1 ^p
333.0	18 ± 2.8 ^p	43 ± 5.5 ^p	59 ± 2.3 ^p	77 ± 3.2 ^p	85 ± 10.3 ^p
1000.0	17 ± 2.9 ^p				
3333.0	16 ± 0.6 ^p				
5000.0	19 ± 3.3 ^p				
Trial Summary	Negative	Positive	Weakly Positive	Positive	Positive
Positive Control ³		340 ± 10.3	465 ± 12.7	383 ± 15.5	795 ± 28.2
Positive Control ⁵	312 ± 14.6				

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

p: Precipitate

**** END OF REPORT ****