

Experiment Number: 849606

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: t-Butyl phenyl glycidyl ether

CAS Number: 3101-60-8

Date Report Requested: 09/16/2018

Time Report Requested: 08:19:11

NTP Study Number:

849606

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	98 ± 8.9	86 ± 4.7	115 ± 1.9	109 ± 3.6
1.0	87 ± 3.2	89 ± 3.8		
3.3	99 ± 7.2	87 ± 5.8	108 ± 6.7	108 ± 8.8
10.0	140 ± 11.7 ^s	113 ± 7.8 ^s	105 ± 0.9	110 ± 5.2
33.0	225 ± 10.1 ^s	160 ± 13.6 ^s	113 ± 4.6	100 ± 4.3
67.0	191 ± 14.5 ^s	192 ± 7.0 ^s		
100.0			110 ± 11.1	104 ± 4.7
200.0			114 ± 6.9	101 ± 1.2
Trial Summary	Positive	Positive	Negative	Negative
Positive Control ²	280 ± 9.5	253 ± 9.3		
Positive Control ³				302 ± 6.7
Positive Control ⁴			333 ± 13.8	

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	19 ± 0.9	13 ± 0.9	14 ± 1.7
1.0	27 ± 2.0	14 ± 2.4	
3.3	23 ± 2.8	10 ± 0.3	13 ± 5.2
10.0	28 ± 1.9	15 ± 2.3	18 ± 2.0
33.0	15 ± 3.2 ^s	17 ± 2.3	15 ± 3.2
67.0	Toxic	15 ± 4.3 ^s	
100.0			18 ± 1.5
200.0			19 ± 2.8 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²	116 ± 8.5		
Positive Control ³			92 ± 8.4
Positive Control ⁴		85 ± 3.5	

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	5 ± 1.5	7 ± 1.2	8 ± 1.8
1.0	4 ± 0.3		
3.3	8 ± 0.7	8 ± 0.3	6 ± 0.9
10.0	4 ± 2.0	9 ± 2.3	9 ± 2.7
33.0	7 ± 1.8 ^s	5 ± 1.7	10 ± 2.9
67.0	4 ± 0.9 ^s		
100.0		9 ± 0.6	8 ± 1.5 ^s
200.0		6 ± 1.5 ^s	11 ± 2.2 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		35 ± 1.5	75 ± 6.4
Positive Control ⁵	344 ± 17.6		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	17 ± 1.9	26 ± 2.5	30 ± 5.8
1.0	19 ± 0.6		
3.3	17 ± 2.3	31 ± 1.9	28 ± 0.7
10.0	17 ± 3.5 ^s	29 ± 3.2	29 ± 2.6
33.0	14 ± 1.5 ^s	22 ± 3.5	27 ± 0.6
67.0	16 ± 2.5 ^s		
100.0		24 ± 2.5	33 ± 2.1
200.0		27 ± 1.2	26 ± 0.6
Trial Summary	Negative	Negative	Negative
Positive Control ⁶			86 ± 12.9
Positive Control ⁷	214 ± 7.1		
Positive Control ³		89 ± 4.4	

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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: 4.0 ug/Plate 9-Aminoacridine
- 6: 0.4 ug/Plate 2-Aminoanthracene
- 7: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

** END OF REPORT **