

Experiment Number: 141757

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: o-Cresyl glycidyl ether

CAS Number: 2210-79-9

Date Report Requested: 09/12/2018

Time Report Requested: 09:03:19

NTP Study Number:

141757

Study Result:

Positive

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Mutagenicity

G06: Ames Summary Data

Test Compound: o-Cresyl glycidyl ether
CAS Number: 2210-79-9

Date Report Requested: 09/12/2018

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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	136 ± 8.4	99 ± 3.8	108 ± 4.1	156 ± 5.0	137 ± 8.7
3.3	153 ± 13.9	154 ± 5.3			
10.0	170 ± 6.9	168 ± 10.3	122 ± 3.0	151 ± 5.2	140 ± 4.9
33.0	269 ± 14.7	304 ± 15.6	103 ± 4.9	149 ± 7.6	141 ± 3.3
100.0	538 ± 29.3 ^s	618 ± 19.4	123 ± 2.3	157 ± 9.4	135 ± 2.6
333.0			158 ± 10.4		143 ± 1.8
334.0	1308 ± 27.5 ^s	1355 ± 15.9 ^s		166 ± 9.0	
667.0			206 ± 5.6 ^s	212 ± 2.3 ^s	157 ± 10.4 ^s
Trial Summary	Positive	Positive	Weakly Positive	Equivocal	Negative
Positive Control ²	281 ± 10.7	220 ± 6.7			
Positive Control ³					338 ± 4.9
Positive Control ⁴			395 ± 20.5	435 ± 9.1	

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Test Compound: *o*-Cresyl glycidyl ether

CAS Number: 2210-79-9

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	34 ± 1.9	22 ± 0.0	14 ± 1.9	22 ± 0.9
3.3	31 ± 2.2	24 ± 1.5		
10.0	49 ± 4.8	34 ± 5.0	22 ± 2.3	18 ± 1.5
33.0	87 ± 3.8	88 ± 1.5	18 ± 2.9	19 ± 1.5
100.0	249 ± 6.6	190 ± 6.9	23 ± 4.6	15 ± 3.0
333.0	332 ± 98.9 ^s	316 ± 5.8 ^s	20 ± 1.5	18 ± 0.6
666.0			18 ± 1.2 ^s	14 ± 2.3 ^s
Trial Summary	Positive	Positive	Negative	Negative
Positive Control ²	116 ± 8.5	115 ± 6.7		
Positive Control ³				92 ± 8.4
Positive Control ⁴			85 ± 3.5	

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Test Compound: o-Cresyl glycidyl ether

CAS Number: 2210-79-9

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	7 ± 0.6	9 ± 1.0	6 ± 1.2
3.3	4 ± 1.5		
10.0	6 ± 1.7	11 ± 1.3	9 ± 1.8
33.0	6 ± 2.7	9 ± 0.5	10 ± 1.2
100.0	5 ± 2.6	11 ± 2.1	11 ± 1.9
333.0	10 ± 0.9 ^s	9 ± 0.7	7 ± 1.0
666.0		11 ± 1.5 ^s	5 ± 1.5 ^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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Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: o-Cresyl glycidyl ether

CAS Number: 2210-79-9

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	16 ± 1.2	20 ± 3.1	19 ± 2.5
3.3	16 ± 1.2		
10.0	16 ± 1.9	23 ± 3.5	23 ± 3.4
33.0	15 ± 1.7	21 ± 2.6	27 ± 2.8
100.0	15 ± 2.0	18 ± 1.0	22 ± 0.9
333.0		27 ± 3.8	29 ± 1.5
334.0	17 ± 4.3 ^s		
667.0		18 ± 4.0	23 ± 2.0 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ⁶			64 ± 6.5
Positive Control ³		92 ± 1.5	
Positive Control ⁷	136 ± 5.8		

Experiment Number: 141757

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

G06: Ames Summary Data

Test Compound: **o-Cresyl glycidyl ether**

CAS Number: **2210-79-9**

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

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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 ****