

Experiment Number: A89945

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

G06: Ames Summary Data

Test Compound: **Glycoluril**

CAS Number: **496-46-8**

Date Report Requested: **09/18/2018**

Time Report Requested: **05:06:38**

NTP Study Number:

A89945

Study Result:

Negative

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Test Compound: Glycoluril

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Date Report Requested: 09/18/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	122 ± 4.9	105 ± 2.6	114 ± 2.1	132 ± 7.9	109 ± 4.3
100.0	111 ± 0.7	92 ± 5.9	99 ± 3.8	120 ± 8.2	91 ± 10.7
333.0	126 ± 4.1	95 ± 4.3	100 ± 8.3	142 ± 5.1	96 ± 5.8
1000.0	106 ± 5.9	105 ± 9.6	97 ± 6.2	136 ± 3.8	100 ± 7.6
3333.0	111 ± 5.8	106 ± 6.2	96 ± 5.5	122 ± 7.6	99 ± 3.8
10000.0	135 ± 4.4	110 ± 4.4	110 ± 2.1	136 ± 3.2	87 ± 7.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					651 ± 9.9
Positive Control ³			637 ± 28.1		
Positive Control ⁴	856 ± 17.6	803 ± 28.7			
Positive Control ⁵				636 ± 19.0	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	121 ± 5.5
100.0	129 ± 6.9
333.0	124 ± 3.8
1000.0	112 ± 13.0
3333.0	133 ± 8.0
10000.0	134 ± 12.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	693 ± 14.5
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 1.2	6 ± 1.2	8 ± 0.7	15 ± 2.2	8 ± 0.9
100.0	21 ± 1.7	6 ± 0.3	9 ± 1.5	18 ± 2.5	7 ± 0.6
333.0	24 ± 2.5	6 ± 1.0	10 ± 1.7	17 ± 3.3	7 ± 1.7
1000.0	20 ± 2.7	7 ± 1.2	9 ± 1.5	20 ± 2.3	7 ± 1.2
3333.0	19 ± 0.7	9 ± 0.9	8 ± 0.7	19 ± 0.9	7 ± 2.0
10000.0	19 ± 1.9	7 ± 1.3	12 ± 5.2	20 ± 3.4	10 ± 3.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					98 ± 10.0
Positive Control ⁴	917 ± 12.5	868 ± 28.9			
Positive Control ⁵			109 ± 10.2		
Positive Control ⁶				118 ± 5.2	

Experiment Number: A89945

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G06: Ames Summary Data

Test Compound: Glycoluril

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Date Report Requested: 09/18/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	16 ± 3.6
100.0	16 ± 1.5
333.0	11 ± 1.5
1000.0	11 ± 0.6
3333.0	17 ± 1.5
10000.0	16 ± 1.8
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	137 ± 5.4
Positive Control ⁶	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	165 ± 2.0	161 ± 6.0	185 ± 9.6	193 ± 3.6	166 ± 6.8
100.0	167 ± 3.9	154 ± 9.3	177 ± 5.3	209 ± 13.3	154 ± 4.4
333.0	173 ± 6.4	155 ± 6.2	188 ± 6.4	206 ± 5.9	178 ± 9.6
1000.0	189 ± 7.0	152 ± 7.0	189 ± 21.5	198 ± 11.8	148 ± 1.8
3333.0	181 ± 4.5	150 ± 5.5	182 ± 12.1	216 ± 11.3	151 ± 5.5
10000.0	192 ± 7.0	158 ± 11.6	165 ± 4.8	197 ± 11.6	138 ± 2.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					569 ± 35.3
Positive Control ³			535 ± 19.4		
Positive Control ⁵				660 ± 9.7	
Positive Control ⁷	667 ± 15.9	522 ± 21.5			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	196 ± 14.1
100.0	202 ± 3.5
333.0	213 ± 10.7
1000.0	200 ± 10.2
3333.0	166 ± 6.4
10000.0	189 ± 18.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	710 ± 5.5
Positive Control ⁵	
Positive Control ⁷	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 3.2	17 ± 1.9	15 ± 1.9	18 ± 2.0	20 ± 0.6
100.0	21 ± 3.2	12 ± 1.3	22 ± 2.6	21 ± 3.1	26 ± 0.3
333.0	16 ± 1.5	21 ± 4.7	18 ± 2.6	23 ± 2.3	24 ± 3.5
1000.0	22 ± 7.0	18 ± 3.8	22 ± 2.3	23 ± 3.6	19 ± 1.8
3333.0	17 ± 1.2	19 ± 2.2	16 ± 3.5	21 ± 4.8	20 ± 3.0
10000.0	22 ± 3.5	20 ± 2.3	24 ± 1.5	27 ± 3.8	20 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					484 ± 14.0
Positive Control ³			467 ± 20.0		
Positive Control ⁸	424 ± 5.1	461 ± 21.4			
Positive Control ⁵				350 ± 18.2	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	22 ± 5.7
100.0	24 ± 7.3
333.0	24 ± 5.2
1000.0	21 ± 3.1
3333.0	19 ± 0.9
10000.0	28 ± 2.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	413 ± 7.5
Positive Control ⁸	
Positive Control ⁵	

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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: Water
- 2: 1.0 ug/Plate 2-Aminoanthracene
- 3: 2.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate Sodium Azide
- 5: 5.0 ug/Plate 2-Aminoanthracene
- 6: 10.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **