

Experiment Number: A70660

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 09/17/2018

Time Report Requested: 18:19:06

NTP Study Number:

A70660

Study Result:

Positive

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Strain: TA100				
Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	111 ± 7.0	159 ± 2.3	135 ± 8.3	105 ± 7.8
33.0	110 ± 6.9			109 ± 5.8
100.0	86 ± 4.9	151 ± 2.6	133 ± 10.8	103 ± 2.8
333.0	112 ± 9.8	124 ± 3.9	128 ± 4.4	115 ± 4.5
1000.0	114 ± 12.9	158 ± 4.4	143 ± 3.3	161 ± 16.2
1666.0				187 ± 11.6
3333.0	103 ± 4.3	137 ± 11.4	248 ± 17.4	242 ± 8.2
6666.0				272 ± 7.4
10000.0		137 ± 5.4	246 ± 19.1	206 ± 9.5
Trial Summary	Negative	Negative	Weakly Positive	Positive
Positive Control ²			703 ± 6.1	672 ± 15.0
Positive Control ³	925 ± 30.3			
Positive Control ⁴		642 ± 25.5		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	25 ± 2.3	30 ± 4.7	29 ± 1.2	18 ± 3.5
33.0	26 ± 2.7			25 ± 2.3
100.0	26 ± 3.9	23 ± 4.2	33 ± 5.8	24 ± 3.7
333.0	28 ± 2.0	21 ± 1.7	52 ± 10.7	49 ± 3.5
1000.0	19 ± 4.7	19 ± 3.6	87 ± 5.2	81 ± 8.8
1666.0				153 ± 12.5
3333.0	24 ± 1.5	24 ± 5.5	201 ± 4.4	182 ± 9.5
6666.0				226 ± 5.0
10000.0		26 ± 2.0	169 ± 12.6	177 ± 5.8
Trial Summary	Negative	Negative	Positive	Positive
Positive Control ³	961 ± 18.5			
Positive Control ⁴			147 ± 10.4	655 ± 255.7
Positive Control ⁵		141 ± 17.9		

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Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **2,2-bis(Bromomethyl)-1,3-propanediol**

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CAS Number: 3296-90-0

Strain: TA97

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	159 ± 13.3	202 ± 11.9	168 ± 18.0
33.0	161 ± 16.8		
100.0	164 ± 11.5	187 ± 9.7	189 ± 4.3
333.0	163 ± 10.9	196 ± 7.0	158 ± 10.0
1000.0	184 ± 13.3	189 ± 13.7	181 ± 14.5
3333.0	168 ± 5.5	180 ± 12.8	194 ± 10.4
10000.0		177 ± 8.4	186 ± 6.7
Trial Summary	Negative	Negative	Negative
Positive Control ²			615 ± 8.1
Positive Control ⁴		605 ± 44.7	
Positive Control ⁶	657 ± 11.7		

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CAS Number: 3296-90-0

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	30 ± 3.8	36 ± 4.0	32 ± 0.6
33.0	29 ± 5.0		
100.0	37 ± 2.8	28 ± 4.6	30 ± 2.7
333.0	30 ± 3.0	30 ± 4.0	26 ± 2.7
1000.0	33 ± 3.9	30 ± 3.0	39 ± 1.2
3333.0	30 ± 5.0	28 ± 6.7	33 ± 2.0
10000.0		29 ± 6.1	38 ± 2.3
Trial Summary	Negative	Negative	Negative
Positive Control ²			446 ± 18.8
Positive Control ⁷	439 ± 18.3		
Positive Control ⁴		411 ± 32.3	

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

** END OF REPORT **