

Experiment Number: 933355

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: **11:45:27**

NTP Study Number:

933355

Study Result:

Negative

Experiment Number: 933355

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: 11:45:27

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	69 ± 3.8	83 ± 3.5	81 ± 3.2	76 ± 4.6	77 ± 4.2
10.0		64 ± 6.0			
33.0	76 ± 1.9	59 ± 6.0			
100.0	64 ± 5.3	56 ± 3.5	93 ± 7.3	85 ± 4.8	88 ± 6.2
333.0	55 ± 5.0	61 ± 4.0	85 ± 7.3	76 ± 4.8	105 ± 7.5
1000.0	Toxic	56 ± 2.5	93 ± 1.2	79 ± 6.0	112 ± 7.2
3333.0	Toxic		82 ± 6.9	85 ± 7.0	126 ± 0.0
10000.0			Toxic	71 ± 8.4	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Weakly Positive
Positive Control ²			1362 ± 92.4	1044 ± 44.5	1468 ± 2.9
Positive Control ³	625 ± 45.2	429 ± 44.2			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	94 ± 9.0
10.0	
33.0	
100.0	105 ± 11.3
333.0	93 ± 4.0
1000.0	107 ± 9.5
3333.0	106 ± 8.5
10000.0	110 ± 10.0
Trial Summary	Negative
Positive Control ²	1171 ± 157.7
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.9	7 ± 0.7	8 ± 0.3	6 ± 2.0	6 ± 0.6
33.0	4 ± 0.9	6 ± 0.6			
100.0	5 ± 1.9	9 ± 1.5	10 ± 2.1	10 ± 2.0	10 ± 1.7
333.0	2 ± 1.0	6 ± 0.6	11 ± 2.2	10 ± 1.2	17 ± 2.4
1000.0	3 ± 1.2	10 ± 1.8	10 ± 0.3	10 ± 0.3	14 ± 3.2
3333.0	2 ± 0.7	Toxic	12 ± 1.7	10 ± 0.9	16 ± 3.0
10000.0			10 ± 1.8	11 ± 0.7	12 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²			280 ± 31.9	71 ± 11.6	128 ± 3.9
Positive Control ³	471 ± 110.0	488 ± 98.5			

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CAS Number: **3296-90-0**

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 0.9
33.0	
100.0	10 ± 1.3
333.0	14 ± 1.9
1000.0	10 ± 4.5
3333.0	16 ± 1.8
10000.0	14 ± 1.9
Trial Summary	Negative
Positive Control ²	113 ± 15.5
Positive Control ³	

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Mutagenicity**G06: Ames Summary Data**Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	2 ± 0.9	6 ± 0.6	7 ± 0.9	10 ± 1.5	6 ± 1.9
33.0	1 ± 0.3	4 ± 1.2			
100.0	1 ± 0.6	8 ± 0.9	5 ± 1.5	6 ± 1.2	5 ± 0.9
333.0	0 ± 0.3	7 ± 1.8	6 ± 2.1	10 ± 1.5	3 ± 0.3
1000.0	0 ± 0.0	3 ± 2.0	2 ± 0.9	9 ± 0.3	6 ± 1.5
3333.0	1 ± 0.3	3 ± 3.0	2 ± 0.9	7 ± 0.6	2 ± 1.0
10000.0			2 ± 0.6	7 ± 1.5	2 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			58 ± 3.0	71 ± 15.8	74 ± 3.5
Positive Control ⁴	432 ± 12.9	55 ± 6.8			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.5
33.0	
100.0	7 ± 1.2
333.0	7 ± 1.0
1000.0	10 ± 2.1
3333.0	9 ± 1.2
10000.0	Toxic
Trial Summary	Negative
Positive Control ²	52 ± 7.0
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 2.2	18 ± 4.0	10 ± 0.6	23 ± 1.7	11 ± 0.9
10.0		11 ± 1.5			
33.0	9 ± 1.5	12 ± 1.2			
100.0	12 ± 2.4	11 ± 1.2	12 ± 1.2	20 ± 0.3	15 ± 1.8
333.0	7 ± 1.3	12 ± 1.5	12 ± 1.0	20 ± 1.2	13 ± 1.8
1000.0	Toxic	8 ± 0.3	13 ± 3.4	19 ± 2.3	10 ± 2.1
3333.0	Toxic		13 ± 1.2	20 ± 3.8	14 ± 0.6
10000.0			8 ± 1.2	21 ± 1.2	3 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			481 ± 83.0	568 ± 8.4	1076 ± 45.0
Positive Control ⁵	129 ± 18.0	462 ± 34.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	21 ± 3.2
10.0	
33.0	
100.0	14 ± 4.4
333.0	19 ± 4.6
1000.0	22 ± 1.2
3333.0	23 ± 1.9
10000.0	19 ± 3.5
Trial Summary	Negative
Positive Control ²	854 ± 74.9
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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****