

Experiment Number: 838519

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Propanediol (2,2-bis (benzoyloxy)methyl)-dibenzoate

CAS Number: 4196-86-5

Date Report Requested: 09/15/2018

Time Report Requested: 23:52:07

NTP Study Number:

838519

Study Result:

Negative

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MutagenicityTest Compound: Propanediol (2,2-bis (benzoyloxy)methyl)-dibenzoate
CAS Number: 4196-86-5

Time Report Requested: 23:52:07

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	137 ± 11.1	132 ± 8.7	150 ± 15.5	154 ± 3.2	94 ± 4.5
100.0	147 ± 16.6	141 ± 5.0	121 ± 6.7	132 ± 2.7	134 ± 3.2
333.0	124 ± 14.6	136 ± 6.9	129 ± 2.7	145 ± 4.0	108 ± 2.6
1000.0	120 ± 11.3	135 ± 7.4	143 ± 6.3	145 ± 3.9	116 ± 4.4
3333.0	124 ± 3.8 ^p	133 ± 2.4 ^p	144 ± 8.3 ^p	144 ± 2.0 ^p	130 ± 12.3 ^p
10000.0	133 ± 9.0 ^p	99 ± 1.2 ^p	109 ± 2.0 ^p	120 ± 12.0 ^p	117 ± 4.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²					727 ± 23.4
Positive Control ³			530 ± 9.3		
Positive Control ⁴	604 ± 4.0	499 ± 13.5			
Positive Control ⁵				478 ± 14.7	

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	111 ± 4.1	124 ± 6.4	172 ± 8.0
100.0	126 ± 11.0	128 ± 3.8	172 ± 4.0
333.0	117 ± 9.9	123 ± 3.5	152 ± 7.3
1000.0	120 ± 9.4	101 ± 7.7	163 ± 2.3
3333.0	122 ± 10.1	128 ± 7.6	144 ± 3.4 ^p
10000.0	112 ± 7.5 ^p	94 ± 3.4 ^p	119 ± 3.8 ^p
Trial Summary	Negative	Negative	Negative
Positive Control ²	587 ± 43.3	984 ± 35.7	
Positive Control ³			529 ± 14.2
Positive Control ⁴			
Positive Control ⁵			

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MutagenicityTest Compound: Propanediol (2,2-bis (benzoyloxy)methyl)-dibenzoate
CAS Number: 4196-86-5

Time Report Requested: 23:52:07

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 2.3	22 ± 1.2	8 ± 2.0	12 ± 2.6	6 ± 1.5
100.0	19 ± 1.2	22 ± 1.3	6 ± 0.9	11 ± 1.2	10 ± 2.3
333.0	13 ± 2.5	18 ± 3.3	9 ± 2.3	14 ± 1.2	10 ± 3.5
1000.0	14 ± 2.6	19 ± 0.3	10 ± 3.8	10 ± 1.5	5 ± 1.5
3333.0	12 ± 2.7 ^P	16 ± 1.5 ^P	8 ± 1.8 ^P	5 ± 0.6 ^P	6 ± 1.3 ^P
10000.0	8 ± 0.9 ^P	9 ± 1.0 ^P	7 ± 1.3 ^P	9 ± 1.5 ^P	5 ± 1.5 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					220 ± 19.1
Positive Control ⁴	308 ± 12.7	400 ± 23.4			
Positive Control ⁶			251 ± 8.9		
Positive Control ⁷				122 ± 8.7	

Experiment Number: 838519

G06: Ames Summary Data

Date Report Requested: 09/15/2018

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

Test Compound: **Propanediol (2,2-bis (benzoyloxy)methyl)-dibenzoate**
CAS Number: 4196-86-5

Time Report Requested: 23:52:07

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.5
100.0	9 ± 2.5
333.0	9 ± 1.2
1000.0	8 ± 0.7
3333.0	10 ± 1.3 ^p
10000.0	7 ± 1.2 ^p
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁶	335 ± 13.6
Positive Control ⁷	

Experiment Number: 838519

G06: Ames Summary Data

Date Report Requested: 09/15/2018

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

Test Compound: **Propanediol (2,2-bis (benzoyloxy)methyl)-dibenzoate**
CAS Number: 4196-86-5

Time Report Requested: 23:52:07

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	8 ± 0.3	7 ± 1.8	11 ± 2.3
100.0	7 ± 0.6	9 ± 0.9	12 ± 1.5
333.0	6 ± 1.2	9 ± 1.2	10 ± 2.0
1000.0	8 ± 1.5	8 ± 1.2	9 ± 0.6
3333.0	4 ± 0.9 ^P	5 ± 0.3 ^P	10 ± 2.0 ^P
10000.0	6 ± 2.0 ^P	7 ± 1.7 ^P	10 ± 2.6 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ³			26 ± 0.6
Positive Control ⁶		62 ± 5.8	
Positive Control ⁸	284 ± 17.6		

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Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: Propanediol (2,2-bis (benzoyloxy)methyl)-dibenzoate
CAS Number: 4196-86-5

Time Report Requested: 23:52:07

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	167 ± 10.1	154 ± 9.4	166 ± 5.5	191 ± 4.7	168 ± 10.4
100.0	163 ± 1.2	157 ± 5.1	182 ± 6.3	171 ± 6.0	172 ± 9.2
333.0	162 ± 7.8	182 ± 7.9	205 ± 4.9	183 ± 9.4	161 ± 14.8
1000.0	173 ± 5.5	180 ± 16.8	203 ± 5.9	197 ± 0.9	178 ± 4.1
3333.0	157 ± 14.5 ^P	185 ± 2.0 ^P	205 ± 2.3 ^P	183 ± 7.6	155 ± 6.6
10000.0	108 ± 8.1 ^P	126 ± 4.8 ^P	145 ± 16.9 ^P	139 ± 1.8 ^P	150 ± 6.7 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			509 ± 26.4	282 ± 8.6	380 ± 8.3
Positive Control ⁶					
Positive Control ⁸	540 ± 22.9	679 ± 34.4			

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Test Compound: Propanediol (2,2-bis (benzoyloxy)methyl)-dibenzoate

Time Report Requested: 23:52:07

CAS Number: 4196-86-5

Strain: TA97

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	190 ± 8.9	126 ± 6.7	152 ± 6.0	175 ± 13.1	147 ± 3.8
100.0	205 ± 4.2	179 ± 4.3	157 ± 5.2	164 ± 6.9	154 ± 14.2
333.0	203 ± 7.7	170 ± 6.7	148 ± 4.3	167 ± 4.5	158 ± 8.4
1000.0	213 ± 3.5	197 ± 5.8	143 ± 3.5	170 ± 4.4	139 ± 8.6
3333.0	197 ± 5.8 ^P	187 ± 8.7 ^P	169 ± 9.1	169 ± 4.5	150 ± 7.4 ^P
10000.0	152 ± 11.1 ^P	139 ± 14.4 ^P	131 ± 8.9 ^P	139 ± 1.5 ^P	81 ± 14.9 ^P
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control ²		345 ± 50.9	342 ± 48.5	541 ± 14.5	
Positive Control ³					369 ± 14.6
Positive Control ⁶	430 ± 28.0				
Positive Control ⁸					

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MutagenicityTest Compound: Propanediol (2,2-bis (benzoyloxy)methyl)-dibenzoate
CAS Number: 4196-86-5

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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	24 ± 2.7	16 ± 3.8	28 ± 5.3	31 ± 1.7	18 ± 2.7
100.0	16 ± 2.0	17 ± 1.2	28 ± 1.0	29 ± 6.6	23 ± 4.8
333.0	18 ± 1.5	18 ± 3.5	28 ± 2.2	33 ± 2.5	30 ± 1.8
1000.0	19 ± 4.4	19 ± 1.0	25 ± 4.0	30 ± 3.9	28 ± 2.2
3333.0	19 ± 3.8 ^P	17 ± 2.1 ^P	25 ± 0.3 ^P	16 ± 0.7 ^P	24 ± 3.3 ^P
10000.0	10 ± 0.7 ^P	15 ± 0.7 ^P	13 ± 0.6 ^P	15 ± 1.8 ^P	19 ± 3.8 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					589 ± 65.6
Positive Control ³			349 ± 9.5	160 ± 2.7	
Positive Control ⁹	538 ± 10.7	585 ± 32.7			

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CAS Number: 4196-86-5

Date Report Requested: 09/15/2018

Time Report Requested: 23:52:07

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	29 ± 2.4
100.0	31 ± 3.8
333.0	28 ± 1.9
1000.0	28 ± 2.1
3333.0	28 ± 2.3 ^p
10000.0	22 ± 2.3 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	373 ± 19.3
Positive Control ⁹	

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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 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.0 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 2-Aminoanthracene

7: 5.0 ug/Plate 2-Aminoanthracene

8: 50.0 ug/Plate 9-Aminoacridine

9: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****