

Experiment Number: 151486

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,3-Propanediol 2-((benzyloxy)methyl)-2-methyl-dibenzoate
CAS Number: 4196-87-6

Date Report Requested: 09/12/2018

Time Report Requested: 15:04:09

NTP Study Number:

151486

Study Result:

Negative

Experiment Number: 151486

G06: Ames Summary Data

Date Report Requested: 09/12/2018

Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: 1,3-Propanediol 2-((benzoyloxy)methyl)-2-methyl-dibenzoate
CAS Number: 4196-87-6

Time Report Requested: 15:04:09

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	109 ± 7.8	120 ± 5.6	115 ± 12.0	144 ± 4.6	96 ± 4.0
100.0	128 ± 4.1	151 ± 7.0	118 ± 6.7	148 ± 3.5	112 ± 12.8
333.0	126 ± 5.9	138 ± 8.0	128 ± 14.8	101 ± 8.7	121 ± 13.7
1000.0	101 ± 5.6	145 ± 9.0	128 ± 9.0	100 ± 13.9	99 ± 6.4
3333.0	107 ± 4.8	131 ± 3.9	124 ± 13.7	107 ± 9.4	117 ± 5.9
10000.0	129 ± 2.3 ^p	116 ± 6.4 ^p	125 ± 3.7 ^p	99 ± 6.5 ^p	91 ± 9.5 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					446 ± 32.1
Positive Control ³			426 ± 29.8		
Positive Control ⁴	281 ± 8.0	434 ± 18.5			
Positive Control ⁵				413 ± 6.8	

Experiment Number: 151486

G06: Ames Summary Data

Date Report Requested: 09/12/2018

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

Test Compound: **1,3-Propanediol 2-((benzoyloxy)methyl)-2-methyl-dibenzoate**
CAS Number: 4196-87-6

Time Report Requested: 15:04:09

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	161 ± 10.3
100.0	164 ± 0.9
333.0	135 ± 6.7
1000.0	123 ± 7.5
3333.0	114 ± 8.1
10000.0	140 ± 4.1 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	397 ± 9.8
Positive Control ⁴	
Positive Control ⁵	

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G06: Ames Summary Data

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **1,3-Propanediol 2-((benzoyloxy)methyl)-2-methyl-dibenzoate**

Time Report Requested: 15:04:09

CAS Number: 4196-87-6

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 4.1	13 ± 1.8	6 ± 1.5	9 ± 1.2	7 ± 1.0
100.0	13 ± 1.2	20 ± 1.9	10 ± 0.3	9 ± 2.1	10 ± 0.3
333.0	10 ± 2.0	21 ± 2.3	10 ± 2.8	14 ± 2.1	6 ± 1.2
1000.0	11 ± 2.5	13 ± 1.2	5 ± 0.9	10 ± 2.2	5 ± 1.2
3333.0	8 ± 1.5	8 ± 1.2	9 ± 0.9	11 ± 0.9	5 ± 0.6
10000.0	8 ± 0.9 ^p	8 ± 1.2 ^p	4 ± 0.7 ^p	4 ± 0.9 ^p	4 ± 1.5 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					142 ± 8.5
Positive Control ⁴	308 ± 12.7	416 ± 20.2			
Positive Control ⁶			156 ± 17.8		
Positive Control ⁷				122 ± 8.7	

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G06: Ames Summary Data

Date Report Requested: 09/12/2018

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

Test Compound: **1,3-Propanediol 2-((benzoyloxy)methyl)-2-methyl-dibenzoate**

Time Report Requested: 15:04:09

CAS Number: 4196-87-6

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 1.5
100.0	8 ± 1.2
333.0	7 ± 0.6
1000.0	9 ± 2.6
3333.0	9 ± 2.1
10000.0	8 ± 1.2 ^p
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁶	335 ± 13.6
Positive Control ⁷	

Experiment Number: 151486

G06: Ames Summary Data

Date Report Requested: 09/12/2018

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

Test Compound: **1,3-Propanediol 2-((benzoyloxy)methyl)-2-methyl-dibenzoate**
CAS Number: 4196-87-6

Time Report Requested: 15:04:09

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	6 ± 0.9	9 ± 0.6	13 ± 1.5
100.0	8 ± 1.3	8 ± 0.3	12 ± 0.3
333.0	7 ± 1.2	9 ± 0.9	7 ± 2.0
1000.0	7 ± 0.7	8 ± 1.3	8 ± 0.9
3333.0	3 ± 1.5	7 ± 1.2	9 ± 3.2
10000.0	6 ± 1.5 ^p	4 ± 0.3 ^p	11 ± 1.5 ^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: 1,3-Propanediol 2-((benzoyloxy)methyl)-2-methyl-dibenzoate
CAS Number: 4196-87-6

Time Report Requested: 15:04:09

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	152 ± 7.2	158 ± 1.5	165 ± 6.2	137 ± 13.4	163 ± 17.0
100.0	173 ± 11.7	135 ± 8.1	168 ± 4.5	162 ± 24.0	128 ± 7.7
333.0	172 ± 5.9	157 ± 9.0	178 ± 8.4	171 ± 3.2	140 ± 5.4
1000.0	163 ± 2.5	143 ± 3.7	161 ± 5.5	166 ± 4.2	160 ± 3.5
3333.0	176 ± 10.2	154 ± 15.1	128 ± 1.5	168 ± 4.6	125 ± 5.2
6666.0		114 ± 5.8 ^p			
10000.0	86 ± 14.3 ^p		126 ± 8.9 ^p	65 ± 2.9 ^p	115 ± 5.5 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					374 ± 33.2
Positive Control ³			301 ± 19.1		
Positive Control ⁶				430 ± 28.0	
Positive Control ⁸	540 ± 22.9	439 ± 32.9			

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G06: Ames Summary Data

Date Report Requested: 09/12/2018

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

Test Compound: **1,3-Propanediol 2-((benzoyloxy)methyl)-2-methyl-dibenzoate**

Time Report Requested: 15:04:09

CAS Number: 4196-87-6

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	156 ± 24.1
100.0	151 ± 9.1
333.0	145 ± 7.9
1000.0	130 ± 2.6
3333.0	144 ± 16.4
6666.0	
10000.0	105 ± 3.9 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	369 ± 14.6
Positive Control ⁶	
Positive Control ⁸	

Experiment Number: 151486

G06: Ames Summary Data

Date Report Requested: 09/12/2018

Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: 1,3-Propanediol 2-((benzoyloxy)methyl)-2-methyl-dibenzoate
CAS Number: 4196-87-6

Time Report Requested: 15:04:09

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.3	13 ± 2.1	23 ± 4.1	25 ± 2.1	24 ± 0.3
100.0	17 ± 2.1	27 ± 3.7	28 ± 0.9	24 ± 2.0	21 ± 1.5
333.0	18 ± 3.7	18 ± 0.6	29 ± 0.6	28 ± 3.9	23 ± 2.3
1000.0	20 ± 2.0	17 ± 1.2	26 ± 2.2	27 ± 1.2	23 ± 3.0
3333.0	16 ± 1.5	15 ± 2.1	17 ± 4.1	26 ± 1.2	15 ± 1.5
10000.0	14 ± 0.3 ^p	11 ± 0.7 ^p	18 ± 0.7 ^p	29 ± 4.4 ^p	15 ± 0.6 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					470 ± 40.9
Positive Control ³			335 ± 20.2	95 ± 9.9	
Positive Control ⁹	406 ± 1.5	575 ± 17.6			

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

Test Compound: **1,3-Propanediol 2-((benzoyloxy)methyl)-2-methyl-dibenzoate**
CAS Number: 4196-87-6

Time Report Requested: 15:04:09

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	30 ± 3.0
100.0	28 ± 3.2
333.0	40 ± 5.5
1000.0	38 ± 3.7
3333.0	40 ± 1.7
10000.0	20 ± 2.0 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	238 ± 18.7
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 ****