

Experiment Number: 903773

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: (3-Methylbutoxy)acetic acid, 2-propenyl ester

CAS Number: 67634-00-8

Date Report Requested: 09/16/2018

Time Report Requested: 23:24:34

NTP Study Number:

903773

Study Result:

Negative

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Test Compound: (3-Methylbutoxy)acetic acid, 2-propenyl ester
CAS Number: 67634-00-8

Date Report Requested: 09/16/2018

Time Report Requested: 23:24:34

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	202 ± 18.4	153 ± 5.2	214 ± 7.8	177 ± 13.3	221 ± 13.3
3.3	166 ± 15.0	148 ± 6.6			
10.0	169 ± 10.3	163 ± 10.9	207 ± 11.3	171 ± 7.2	199 ± 8.3
33.0	178 ± 9.6	148 ± 4.1	178 ± 8.1	176 ± 11.0	174 ± 9.7
100.0	183 ± 4.8	164 ± 9.3	170 ± 7.4	173 ± 3.8	181 ± 14.4
333.0	116 ± 12.9	90 ± 7.5	132 ± 3.9	119 ± 14.1	130 ± 7.4
1000.0			Toxic	61 ± 0.9	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					648 ± 9.6
Positive Control ³	498 ± 9.9	641 ± 5.5			
Positive Control ⁴			632 ± 23.7		
Positive Control ⁵					
Positive Control ⁶				500 ± 15.3	

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Date Report Requested: 09/16/2018

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	149 ± 6.8
3.3	
10.0	154 ± 2.4
33.0	138 ± 7.5
100.0	140 ± 2.6
333.0	103 ± 8.1
1000.0	17 ± 4.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	668 ± 14.4
Positive Control ⁶	

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Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **(3-Methylbutoxy)acetic acid, 2-propenyl ester**

Time Report Requested: 23:24:34

CAS Number: 67634-00-8

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.3	10 ± 0.7	14 ± 1.5	12 ± 0.6	12 ± 0.3
3.3		10 ± 3.0			
10.0	6 ± 1.9	9 ± 2.0	11 ± 1.0	11 ± 3.5	9 ± 2.1
33.0	8 ± 1.7	6 ± 1.5	11 ± 2.8	9 ± 1.3	12 ± 2.5
100.0	6 ± 1.2	7 ± 0.7	10 ± 1.2	11 ± 3.1	7 ± 1.8
333.0	6 ± 1.0	9 ± 2.0	9 ± 2.6	7 ± 2.4	12 ± 1.9
1000.0	0 ± 0.0 ^s		Toxic	4 ± 0.6	Toxic
3333.0					
10000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					50 ± 5.8
Positive Control ³	145 ± 6.6	458 ± 30.6			
Positive Control ⁵					
Positive Control ⁶			104 ± 15.3	53 ± 5.5	

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Test Compound: (3-Methylbutoxy)acetic acid, 2-propenyl ester
CAS Number: 67634-00-8

Date Report Requested: 09/16/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	8 ± 1.7	29 ± 2.2
3.3		
10.0	5 ± 1.5	
33.0	6 ± 1.3	
100.0	10 ± 0.9	26 ± 3.3
333.0	13 ± 2.5	24 ± 1.0
1000.0	13 ± 2.7	0 ± 0.3
3333.0		0 ± 0.0 ^x
10000.0		0 ± 0.0 ^x
Trial Summary	Negative	Negative
Positive Control ²		
Positive Control ³		
Positive Control ⁵	58 ± 3.0	434 ± 9.3
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	190 ± 6.3	225 ± 7.2	236 ± 1.5	167 ± 4.9	176 ± 5.4
3.3	195 ± 5.6	227 ± 16.7			
10.0	199 ± 10.3	242 ± 16.8	256 ± 5.4	146 ± 11.4	200 ± 1.5
33.0	203 ± 6.8	215 ± 7.5	250 ± 6.8	163 ± 3.2	163 ± 2.8
100.0	175 ± 5.0	221 ± 11.8	236 ± 15.5	160 ± 7.8	231 ± 26.7
333.0	117 ± 4.5	117 ± 19.1	190 ± 4.9	131 ± 11.8	154 ± 3.1
1000.0			0 ± 0.0 ^s	12 ± 4.3	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					991 ± 43.4
Positive Control ⁶			1116 ± 50.8	604 ± 37.0	
Positive Control ⁷	386 ± 9.5	518 ± 28.8			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	133 ± 10.2
3.3	
10.0	150 ± 2.9
33.0	138 ± 7.2
100.0	126 ± 10.1
333.0	98 ± 4.3
1000.0	26 ± 0.7
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	724 ± 23.0
Positive Control ⁷	

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Test Compound: (3-Methylbutoxy)acetic acid, 2-propenyl ester
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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	19 ± 1.5	16 ± 2.0	31 ± 2.5	32 ± 2.2	33 ± 2.3
3.3	22 ± 1.3		33 ± 2.4		
10.0	26 ± 3.2	14 ± 2.3	28 ± 2.0	36 ± 1.2	42 ± 5.7
33.0	26 ± 3.2	14 ± 1.5	34 ± 1.8	30 ± 1.8	38 ± 6.6
100.0	26 ± 2.0	17 ± 1.3	29 ± 3.6	33 ± 0.3	42 ± 5.4
333.0	23 ± 2.1	12 ± 1.0	10 ± 1.5	21 ± 5.0	38 ± 3.1
1000.0		0 ± 0.0 ^s		0 ± 0.0 ^s	24 ± 2.9
3333.0					
10000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				196 ± 23.3	
Positive Control ⁸	260 ± 10.4	243 ± 21.4	345 ± 5.7		
Positive Control ⁵					175 ± 9.7

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Date Report Requested: 09/16/2018

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	31 ± 1.9	36 ± 4.4
3.3		
10.0	39 ± 3.5	25 ± 2.6
33.0	31 ± 2.4	31 ± 1.2
100.0	29 ± 3.3	35 ± 1.2
333.0	14 ± 4.2	28 ± 6.5
1000.0	0 ± 0.0 ^s	10 ± 2.3
3333.0		
10000.0		
Trial Summary	Negative	Negative
Positive Control ²	638 ± 46.3	
Positive Control ⁸		
Positive Control ⁵		506 ± 20.9

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Strain: TA102

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	322 ± 4.7	316 ± 6.6	427 ± 5.8	481 ± 58.7	384 ± 3.5
3.3	318 ± 3.3	253 ± 18.1	401 ± 9.0	434 ± 60.9	414 ± 38.6
10.0	313 ± 10.2	292 ± 12.4	394 ± 24.8	459 ± 10.3	381 ± 4.6
33.0	314 ± 6.9	272 ± 2.7	382 ± 9.7	444 ± 4.9	373 ± 13.2
100.0	296 ± 24.9	263 ± 6.4	353 ± 7.2	387 ± 7.5	323 ± 7.6
333.0	248 ± 15.9	245 ± 5.5	197 ± 11.2	309 ± 13.5	238 ± 6.9
1000.0	221 ± 12.9	51 ± 15.9 ^s	0 ± 0.0 ^s	0 ± 0.0 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁹					
Positive Control ¹⁰			2358 ± 21.3	2766 ± 33.1	2226 ± 42.8
Positive Control ¹¹	1038 ± 38.4				
Positive Control ¹²		1119 ± 18.8			

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Date Report Requested: 09/16/2018

Time Report Requested: 23:24:34

Strain: TA102

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	456 ± 14.7
3.3	446 ± 8.7
10.0	490 ± 3.8
33.0	445 ± 3.9
100.0	420 ± 11.7
333.0	313 ± 10.8
1000.0	8 ± 5.3 ^s
Trial Summary	Negative
Positive Control ⁹	
Positive Control ¹⁰	2260 ± 52.7
Positive Control ¹¹	
Positive Control ¹²	

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 24.0 ug/Plate 9-Aminoacridine

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

9: 5.0 ug/Plate Sterigmatocystin

10: 10.0 ug/Plate Sterigmatocystin

11: 75.0 ug/Plate Other Positive Control

12: 100.0 ug/Plate Other Positive Control

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****