

Experiment Number: 967223

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

G06: Ames Summary Data

Test Compound: **2-Ethoxybenzamide**

CAS Number: **938-73-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **22:23:05**

NTP Study Number:

967223

Study Result:

Negative

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G06: Ames Summary Data

Test Compound: 2-Ethoxybenzamide

CAS Number: 938-73-8

Date Report Requested: 09/17/2018

Time Report Requested: 22:23:05

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	103 ± 6.6	106 ± 3.6	127 ± 8.2	164 ± 0.9	126 ± 8.7
10.0		103 ± 7.0			
33.0	106 ± 11.1	115 ± 0.9			
100.0	101 ± 4.6	113 ± 11.4	119 ± 7.9	152 ± 9.7	122 ± 6.7
333.0	102 ± 6.4	114 ± 10.5	130 ± 4.1	142 ± 6.1	130 ± 2.6
1000.0	105 ± 5.0	106 ± 4.3	142 ± 10.0	137 ± 1.5	129 ± 2.6
3333.0	94 ± 2.3		111 ± 14.4	115 ± 12.7	105 ± 6.7
10000.0			86 ± 5.5	92 ± 8.3	99 ± 3.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					510 ± 47.4
Positive Control ³			331 ± 10.3		
Positive Control ⁴				365 ± 19.8	
Positive Control ⁵	450 ± 15.7	748 ± 45.7			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	131 ± 4.0
10.0	
33.0	
100.0	118 ± 5.7
333.0	157 ± 10.5
1000.0	141 ± 4.0
3333.0	128 ± 6.1
10000.0	100 ± 3.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	561 ± 12.1
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	12 ± 0.3	8 ± 1.8	12 ± 1.9	10 ± 3.2	11 ± 1.5
10.0		9 ± 0.3			
33.0	11 ± 2.9	10 ± 0.0	7 ± 0.9		10 ± 3.7
100.0	11 ± 1.0	6 ± 0.3	9 ± 0.6	15 ± 2.7	9 ± 0.9
333.0	9 ± 1.2	8 ± 1.8	8 ± 0.9	15 ± 2.0	13 ± 1.3
1000.0	8 ± 1.5	9 ± 1.0	8 ± 1.5	16 ± 2.1	10 ± 0.9
3333.0	8 ± 2.1		10 ± 1.5	9 ± 1.5	9 ± 0.6
10000.0				6 ± 0.3	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					66 ± 3.5
Positive Control ⁴			100 ± 12.7		
Positive Control ⁵	768 ± 46.8	530 ± 26.8			
Positive Control ⁶				88 ± 3.8	

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Test Compound: 2-Ethoxybenzamide

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Date Report Requested: 09/17/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	16 ± 0.3
10.0	
33.0	
100.0	13 ± 3.4
333.0	14 ± 2.2
1000.0	18 ± 3.6
3333.0	14 ± 3.0
10000.0	7 ± 2.0
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	174 ± 1.9
Positive Control ⁵	
Positive Control ⁶	

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Test Compound: 2-Ethoxybenzamide

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Date Report Requested: 09/17/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	193 ± 9.9	173 ± 3.9	183 ± 7.5	203 ± 14.9	208 ± 7.6
10.0		169 ± 5.0			
33.0	196 ± 7.0	179 ± 3.0	182 ± 6.3		
100.0	194 ± 2.9	177 ± 7.7	181 ± 7.6	175 ± 7.2	213 ± 8.7
333.0	186 ± 10.5	185 ± 11.3	190 ± 9.4	184 ± 5.8	202 ± 16.2
1000.0	150 ± 2.0	186 ± 11.7	160 ± 4.7	189 ± 12.5	202 ± 0.6
3333.0	17 ± 4.9		130 ± 8.7	138 ± 4.4	182 ± 11.8
10000.0				60 ± 15.1	147 ± 8.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			328 ± 3.0		
Positive Control ⁴				302 ± 21.3	
Positive Control ⁶					321 ± 4.8
Positive Control ⁷	512 ± 20.7	500 ± 14.7			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	172 ± 8.4	179 ± 3.2
10.0		
33.0	185 ± 8.2	
100.0	186 ± 2.5	162 ± 10.8
333.0	187 ± 11.8	171 ± 9.4
1000.0	188 ± 4.3	149 ± 9.8
3333.0	166 ± 7.5	105 ± 15.3
10000.0		3 ± 0.7
Trial Summary	Negative	Negative
Positive Control ²	427 ± 27.1	
Positive Control ³		336 ± 23.0
Positive Control ⁴		
Positive Control ⁶		
Positive Control ⁷		

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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	23 ± 2.7	23 ± 2.3	26 ± 0.3	20 ± 1.3	23 ± 1.8
33.0	17 ± 1.2	23 ± 3.9			
100.0	22 ± 1.2	20 ± 0.9	21 ± 3.2	22 ± 3.1	20 ± 0.9
333.0	16 ± 1.9	23 ± 3.7	24 ± 3.0	18 ± 2.8	22 ± 2.8
1000.0	19 ± 2.9	27 ± 2.2	24 ± 1.5	15 ± 1.3	19 ± 4.9
3333.0	18 ± 3.0	23 ± 3.0	17 ± 1.3	16 ± 2.0	13 ± 0.9
10000.0			10 ± 1.0	12 ± 2.6	9 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					374 ± 23.5
Positive Control ³			175 ± 7.3	82 ± 3.5	
Positive Control ⁸	379 ± 16.8	512 ± 5.6			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	23 ± 3.4
33.0	
100.0	22 ± 3.1
333.0	17 ± 1.2
1000.0	16 ± 0.9
3333.0	13 ± 1.2
10000.0	11 ± 0.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	330 ± 15.3
Positive Control ⁸	

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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: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****