

Experiment Number: 749620

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: p-Acetamidobenzoic acid

CAS Number: 556-08-1

Date Report Requested: 09/17/2018

Time Report Requested: 10:45:02

NTP Study Number:

749620

Study Result:

Negative

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Date Report Requested: 09/17/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	133 ± 5.5	105 ± 7.8	141 ± 6.1	173 ± 7.3	137 ± 4.6
100.0	131 ± 8.1			179 ± 2.3	
333.0	123 ± 4.2			157 ± 10.7	
1000.0	134 ± 13.8	101 ± 12.7	134 ± 6.8	183 ± 10.7	152 ± 6.6
3333.0	144 ± 9.8	108 ± 5.2	116 ± 11.9	189 ± 7.5	147 ± 7.0
5000.0		101 ± 12.7	124 ± 5.4		153 ± 1.3
7500.0		119 ± 8.5	121 ± 1.5		133 ± 6.8
10000.0	172 ± 9.0	103 ± 0.7	114 ± 10.8	203 ± 8.4	148 ± 3.2
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²					437 ± 19.4
Positive Control ³	568 ± 18.8	383 ± 7.0			
Positive Control ⁴			805 ± 29.2		
Positive Control ⁵					
Positive Control ⁶				1004 ± 38.7	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	153 ± 0.9
100.0	154 ± 6.2
333.0	146 ± 7.2
1000.0	133 ± 15.2
3333.0	156 ± 4.4
5000.0	
7500.0	
10000.0	166 ± 19.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	528 ± 20.8
Positive Control ⁶	

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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	11 ± 1.0	9 ± 2.1	8 ± 1.7	11 ± 0.6	8 ± 1.0
100.0	10 ± 1.8			13 ± 2.2	
333.0	12 ± 1.3			11 ± 1.8	
1000.0	10 ± 1.7	8 ± 0.3	9 ± 1.0	13 ± 0.3	8 ± 0.9
3333.0	8 ± 5.6	8 ± 1.3	9 ± 1.2	13 ± 2.6	9 ± 1.8
5000.0		9 ± 2.1	9 ± 0.7		10 ± 1.9
7500.0		6 ± 0.9	6 ± 1.9		11 ± 1.2
10000.0	15 ± 2.3 ^p	8 ± 0.6	9 ± 0.9	11 ± 1.8 ^p	9 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					47 ± 0.9
Positive Control ³	165 ± 6.8	259 ± 8.2			
Positive Control ⁵					
Positive Control ⁶			134 ± 1.3	72 ± 3.7	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 2.1
100.0	12 ± 3.7
333.0	9 ± 1.3
1000.0	11 ± 2.3
3333.0	10 ± 1.3
5000.0	
7500.0	
10000.0	12 ± 1.5 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	45 ± 1.8
Positive Control ⁶	

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Strain: TA1537

Dose (ug/Plate)	Without S9
Vehicle Control ¹	6 ± 3.0
1000.0	9 ± 1.5
3333.0	4 ± 0.7
5000.0	7 ± 0.9
7500.0	5 ± 0.9
10000.0	6 ± 0.6 ^p
Trial Summary	Negative
Positive Control ⁷	15 ± 2.5

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	172 ± 7.2	132 ± 5.3	139 ± 7.9	159 ± 6.9	224 ± 11.7
100.0	163 ± 3.2				225 ± 10.2
333.0	185 ± 9.3				211 ± 21.1
1000.0	181 ± 7.6	202 ± 8.4	136 ± 3.5	171 ± 7.8	237 ± 12.5
3333.0	174 ± 7.4	224 ± 9.8	136 ± 5.8	168 ± 5.8	234 ± 11.2
5000.0		214 ± 20.8	135 ± 8.5	159 ± 6.6	
7500.0		203 ± 0.3	155 ± 10.5	157 ± 7.5	
10000.0	258 ± 9.1 ^P	201 ± 16.5	142 ± 1.2	177 ± 3.8	237 ± 13.6 ^P
Trial Summary	Equivocal	Equivocal	Negative	Negative	Negative
Positive Control ⁴					
Positive Control ⁶				1047 ± 63.8	539 ± 25.0
Positive Control ⁸	531 ± 29.8	286 ± 12.7	843 ± 57.0		

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	170 ± 14.7	215 ± 12.6
100.0		210 ± 17.0
333.0		205 ± 7.0
1000.0	170 ± 9.0	212 ± 12.8
3333.0	168 ± 4.8	185 ± 6.1
5000.0	157 ± 5.5	
7500.0	164 ± 5.5	
10000.0	169 ± 6.5	230 ± 13.8 ^p
Trial Summary	Negative	Negative
Positive Control ⁴	882 ± 15.2	
Positive Control ⁶		966 ± 18.1
Positive Control ⁸		

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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	17 ± 0.9	18 ± 1.2	21 ± 2.8	27 ± 3.8	21 ± 0.9
100.0	18 ± 2.0			27 ± 4.4	
333.0	19 ± 2.9			36 ± 0.9	
1000.0	19 ± 1.5	16 ± 3.6	19 ± 1.5	29 ± 1.5	24 ± 1.7
3333.0	26 ± 1.5	18 ± 1.9	15 ± 1.2	30 ± 1.2	15 ± 0.3
5000.0		18 ± 0.9	20 ± 1.7		19 ± 1.8
7500.0		20 ± 4.5	18 ± 0.7		16 ± 2.3
10000.0	22 ± 1.2	17 ± 2.5	18 ± 2.5	31 ± 5.2 ^s	20 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			200 ± 2.7		361 ± 16.4
Positive Control ⁵				328 ± 2.8	
Positive Control ⁹	487 ± 40.3	391 ± 7.3			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	24 ± 0.9
100.0	22 ± 1.2
333.0	24 ± 1.2
1000.0	29 ± 0.7
3333.0	26 ± 1.8
5000.0	
7500.0	
10000.0	27 ± 4.2
Trial Summary	Negative
Positive Control ²	
Positive Control ⁵	370 ± 7.2
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: 0.4 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: 4.0 ug/Plate 9-Aminoacridine

8: 24.0 ug/Plate 9-Aminoacridine

9: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

s: Slight Toxicity

**** END OF REPORT ****