

Experiment Number: 795473

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: n-Butyl-p-aminobenzoate

CAS Number: 94-25-7

Date Report Requested: 09/18/2018

Time Report Requested: 06:34:48

NTP Study Number:

795473

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	120 ± 7.0	101 ± 5.4	153 ± 9.6	100 ± 7.3	136 ± 19.9
10.0	152 ± 10.7	99 ± 6.2	187 ± 12.1	96 ± 9.7	172 ± 3.3
33.3	172 ± 23.5	97 ± 8.8	200 ± 12.7	102 ± 4.4	161 ± 5.8
100.0	165 ± 13.0	86 ± 3.4	210 ± 8.4	102 ± 7.5	170 ± 8.0
333.3	142 ± 3.8	76 ± 5.7	173 ± 4.8	102 ± 11.8	150 ± 10.0
1000.0	64 ± 11.9	0 ± 0.0 ^s	131 ± 2.9	43 ± 20.6 ^s	120 ± 8.4
Trial Summary	Equivocal	Negative	Equivocal	Negative	Equivocal
Positive Control ²	448 ± 12.5	439 ± 45.5			
Positive Control ³			813 ± 51.8	317 ± 20.9	1385 ± 34.2

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	114 ± 6.7
10.0	99 ± 9.0
33.3	101 ± 5.5
100.0	102 ± 4.7
333.3	107 ± 5.0
1000.0	94 ± 24.4 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1325 ± 39.9

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	26 ± 5.0	12 ± 0.3	12 ± 2.1	9 ± 1.7	10 ± 4.4
10.0	34 ± 4.7	12 ± 1.8	11 ± 1.9	8 ± 2.3	9 ± 4.0
33.3	26 ± 3.2	11 ± 2.7	12 ± 2.8	9 ± 3.0	11 ± 0.7
100.0	33 ± 1.7	13 ± 4.0	15 ± 1.2	8 ± 1.9	12 ± 2.6
333.3	30 ± 5.8	15 ± 0.3	17 ± 3.7	8 ± 1.0	13 ± 1.5
1000.0	0 ± 0.0 ^s	0 ± 0.0 ^s	16 ± 0.9	5 ± 2.0 ^s	10 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	502 ± 22.4	388 ± 8.0			
Positive Control ⁴			453 ± 11.8	216 ± 5.4	491 ± 11.8

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.3
10.0	5 ± 0.6
33.3	9 ± 2.6
100.0	6 ± 1.2
333.3	7 ± 0.0
1000.0	6 ± 3.5 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	325 ± 6.2

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.5	11 ± 1.8	23 ± 1.2	6 ± 0.3	17 ± 0.3
10.0	16 ± 1.5	11 ± 2.2	19 ± 2.6	7 ± 1.9	30 ± 6.4
33.3	16 ± 1.2	10 ± 2.5	23 ± 1.8	5 ± 1.5	20 ± 1.9
100.0	16 ± 1.5	8 ± 2.6	27 ± 1.8	6 ± 0.3	24 ± 2.4
333.3	10 ± 2.7	5 ± 0.7	16 ± 1.5	8 ± 2.7	14 ± 3.8
1000.0	2 ± 1.7 ^s	2 ± 1.0 ^s	9 ± 1.2	2 ± 0.3 ^s	14 ± 2.0
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ⁴			251 ± 15.0	134 ± 7.3	253 ± 28.4
Positive Control ⁵	270 ± 37.9	383 ± 25.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.3
10.0	10 ± 0.3
33.3	8 ± 1.0
100.0	8 ± 1.0
333.3	5 ± 0.9
1000.0	5 ± 1.0 ^s
Trial Summary	Negative
Positive Control ⁴	448 ± 14.2
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	29 ± 1.5	15 ± 1.9	45 ± 3.8	35 ± 4.1	35 ± 5.0
10.0	17 ± 1.7	21 ± 2.6	40 ± 6.9	33 ± 1.5	33 ± 4.2
33.3	23 ± 3.3	26 ± 5.0	45 ± 4.2	30 ± 3.5	30 ± 1.2
100.0	21 ± 3.0	25 ± 3.5	47 ± 5.2	34 ± 1.9	31 ± 2.6
333.3	16 ± 1.8	19 ± 1.2	43 ± 2.5	21 ± 1.5	30 ± 5.8
1000.0	15 ± 5.2	0 ± 0.0 ^s	31 ± 3.2	5 ± 4.7 ^s	17 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			537 ± 21.5	156 ± 4.9	1204 ± 29.5
Positive Control ⁶	658 ± 15.5	651 ± 14.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 1.9
10.0	27 ± 0.7
33.3	24 ± 3.0
100.0	28 ± 2.0
333.3	25 ± 2.0
1000.0	15 ± 5.2 ^s
Trial Summary	Negative
Positive Control ³	714 ± 47.6
Positive Control ⁶	

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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: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****