

Experiment Number: 251626

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

G06: Ames Summary Data

Test Compound: **4-Methoxy-3-nitro-N-phenylbenzamide**

CAS Number: 97-32-5

Date Report Requested: 09/11/2018

Time Report Requested: 01:57:30

NTP Study Number:

251626

Study Result:

Positive

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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	149 ± 16.2	125 ± 15.2	153 ± 3.8	168 ± 2.5	155 ± 6.6
3.0			172 ± 7.4	172 ± 10.0	
10.0	176 ± 11.2	160 ± 3.5	224 ± 16.8	220 ± 9.1	260 ± 26.2
33.0	206 ± 16.1	259 ± 5.5	364 ± 23.7	384 ± 11.5	530 ± 5.9
100.0	283 ± 17.2	430 ± 41.3	672 ± 40.4	878 ± 57.8	749 ± 112.1
333.0	477 ± 17.3	622 ± 52.3	928 ± 111.2	1081 ± 72.2	899 ± 101.8
1000.0	471 ± 21.7 ^p	689 ± 41.8 ^p			306 ± 70.2 ^p
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²			1053 ± 75.0	533 ± 154.2	2285 ± 42.7
Positive Control ³	510 ± 11.1	591 ± 7.6			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	132 ± 17.7
3.0	169 ± 8.4
10.0	304 ± 46.2
33.0	427 ± 42.2
100.0	512 ± 40.7
333.0	546 ± 54.1
1000.0	
Trial Summary	Positive
Positive Control ²	806 ± 266.2
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 3.5	10 ± 0.7	9 ± 1.5
3.0		7 ± 2.4	
10.0	15 ± 2.0	10 ± 0.9	7 ± 1.3
33.0	19 ± 1.3	10 ± 1.5	7 ± 3.0
100.0	14 ± 1.8	12 ± 3.3	11 ± 1.8
333.0	10 ± 0.3	11 ± 1.3	11 ± 1.2
1000.0	12 ± 1.2 ^P		8 ± 1.2 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ³	451 ± 26.8		
Positive Control ⁴		232 ± 9.2	600 ± 17.8

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Test Compound: 4-Methoxy-3-nitro-N-phenylbenzamide

CAS Number: 97-32-5

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.0	8 ± 1.0	7 ± 2.3	14 ± 1.3
1.0			13 ± 3.2	7 ± 0.7
3.0		7 ± 0.6	10 ± 1.0	12 ± 2.0
10.0	8 ± 1.8	5 ± 0.7	14 ± 0.3	13 ± 1.2
33.0	7 ± 0.9	7 ± 0.3	23 ± 2.5	29 ± 3.1
100.0	8 ± 0.9	10 ± 0.3	36 ± 1.7	38 ± 5.8
333.0	10 ± 2.0	9 ± 1.0		
1000.0	9 ± 0.7 ^P			
Trial Summary	Negative	Negative	Positive	Positive
Positive Control ⁴			93 ± 2.6	501 ± 30.1
Positive Control ⁵	501 ± 30.1	243 ± 17.4		

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	168 ± 5.7	130 ± 4.6	121 ± 6.2	195 ± 10.1	191 ± 5.2
1.0					192 ± 7.5
3.0			133 ± 8.3	211 ± 6.1	201 ± 11.9
10.0	174 ± 1.2	147 ± 3.3	157 ± 5.1	258 ± 2.9	233 ± 1.5
33.0	199 ± 6.4	163 ± 1.5	162 ± 13.3	339 ± 8.2	296 ± 14.2
100.0	223 ± 11.3	183 ± 2.4	195 ± 5.0	432 ± 24.6	390 ± 15.3
333.0	253 ± 9.4	164 ± 4.7	78 ± 8.8	36 ± 8.8	
1000.0	200 ± 12.0 ^p	107 ± 31.8 ^p			
Trial Summary	Weakly Positive	Weakly Positive	Weakly Positive	Positive	Positive
Positive Control ⁴				1235 ± 24.1	796 ± 7.9
Positive Control ⁵	1615 ± 55.6	906 ± 107.6			
Positive Control ⁶			2370 ± 104.0		

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	185 ± 7.4	152 ± 6.4
1.0		185 ± 20.0
3.0		207 ± 17.3
10.0	294 ± 24.7	246 ± 16.2
33.0	670 ± 9.0	429 ± 24.5
100.0	426 ± 24.9	498 ± 53.1
333.0	44 ± 26.0	
1000.0	74 ± 53.4 ^P	
Trial Summary	Positive	Positive
Positive Control ⁴	1466 ± 12.8	1612 ± 107.3
Positive Control ⁵		
Positive Control ⁶		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	27 ± 4.8	26 ± 0.6	37 ± 3.5	33 ± 4.5	32 ± 1.2
3.0		40 ± 3.5	33 ± 4.5		36 ± 4.3
10.0	22 ± 1.7	45 ± 4.6	44 ± 3.5	131 ± 3.6	69 ± 5.5
16.0					116 ± 24.6
33.0	18 ± 1.5	62 ± 3.5	60 ± 0.3	624 ± 34.4	448 ± 53.0
100.0	23 ± 0.7	70 ± 3.6	108 ± 6.7	842 ± 173.9	429 ± 47.6
333.0	13 ± 0.9	108 ± 9.7	127 ± 3.5	753 ± 68.3	
1000.0	10 ± 0.3 ^p			419 ± 55.7 ^p	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		690 ± 49.7	255 ± 2.1	1660 ± 60.2	801 ± 24.0
Positive Control ⁷	1626 ± 93.3				

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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 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 50.0 ug/Plate 2-Aminoanthracene

7: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****