

Experiment Number: **186169**

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

G06: Ames Summary Data

Test Compound: **4-(6-Methyl-2-benzothiazolyl)-benzenamine**

CAS Number: **92-36-4**

Date Report Requested: **09/13/2018**

Time Report Requested: **19:36:49**

NTP Study Number:

186169

Study Result:

Positive

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Test Compound: 4-(6-Methyl-2-benzothiazolyl)-benzenamine
CAS Number: 92-36-4

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	119 ± 11.8	137 ± 2.1	174 ± 4.4	160 ± 6.4	184 ± 3.6
1.0			193 ± 14.6		198 ± 12.4
3.0		189 ± 7.2	208 ± 10.7	194 ± 5.1	220 ± 18.8
10.0		325 ± 20.9	385 ± 16.3	299 ± 8.7	318 ± 13.9
16.0		441 ± 6.3	464 ± 8.2	432 ± 26.3	497 ± 11.1
33.0		641 ± 10.4	834 ± 5.7	585 ± 25.5	541 ± 69.9
66.0		767 ± 16.7		693 ± 37.6	
100.0	126 ± 5.3				
333.0	113 ± 11.8 ^p				
1000.0	102 ± 4.2 ^p				
3333.0	91 ± 3.2 ^p				
10000.0	88 ± 4.2 ^p				
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				635 ± 20.5	545 ± 37.9
Positive Control ³	311 ± 18.9				
Positive Control ⁴		333 ± 7.1	619 ± 18.7		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	18 ± 2.8	28 ± 0.9	26 ± 5.3	27 ± 2.4	34 ± 4.0
0.3			20 ± 3.5		32 ± 0.6
1.0			41 ± 3.2		43 ± 0.3
3.0		139 ± 3.3	127 ± 0.3	171 ± 4.4	143 ± 12.0
6.0			331 ± 19.0		282 ± 14.7
10.0		486 ± 20.9	508 ± 37.3	496 ± 3.5	541 ± 56.7
16.0		677 ± 28.7		770 ± 17.1	
33.0		1002 ± 41.9		1098 ± 95.5	
66.0		1338 ± 6.6		1240 ± 26.8	
100.0	21 ± 1.5				
333.0	24 ± 1.8 ^p				
1000.0	13 ± 1.5 ^p				
3333.0	11 ± 1.3 ^p				
10000.0	14 ± 2.1 ^p				
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		94 ± 13.8	107 ± 8.5	341 ± 33.2	201 ± 18.9
Positive Control ⁵	405 ± 12.0				

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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: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****