

Experiment Number: 178190

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-4-methoxybenzothiazole

CAS Number: 5464-79-9

Date Report Requested: 09/13/2018

Time Report Requested: 18:13:25

NTP Study Number:

178190

Study Result:

Positive

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Test Compound: 2-Amino-4-methoxybenzothiazole
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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	112 ± 1.5	140 ± 8.1	152 ± 5.4
10.0	137 ± 15.1		
33.0	118 ± 6.6		
100.0	116 ± 4.3	148 ± 11.3	149 ± 4.5
333.0	117 ± 6.0	144 ± 6.9	137 ± 7.9
1000.0	91 ± 5.8	132 ± 9.3	182 ± 4.3
3333.0		93 ± 5.8	128 ± 9.2
6666.0		17 ± 8.2 ^p	4 ± 2.3 ^p
Trial Summary	Negative	Negative	Negative
Positive Control ²			651 ± 26.5
Positive Control ³	342 ± 0.6		
Positive Control ⁴		573 ± 23.8	

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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	19 ± 1.2	28 ± 2.2	31 ± 3.0	39 ± 0.3	26 ± 0.7
10.0	24 ± 3.3				
33.0	21 ± 1.5		27 ± 0.6		32 ± 3.8
100.0	19 ± 2.3	49 ± 0.7	49 ± 2.3	56 ± 3.2	43 ± 3.5
333.0	18 ± 3.0	73 ± 2.6	57 ± 3.7	96 ± 2.4	52 ± 2.3
1000.0	21 ± 1.5	69 ± 2.1	65 ± 3.4	172 ± 4.0	77 ± 6.7
3333.0		59 ± 5.5	55 ± 4.4	152 ± 14.7	112 ± 15.7
6666.0		22 ± 4.8 ^p		27 ± 0.3 ^p	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		114 ± 13.0	165 ± 28.3	286 ± 11.4	454 ± 26.9
Positive Control ⁵	603 ± 42.7				

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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 ****