

Experiment Number: A04527

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-(2-Methylpropyl) thiazole

CAS Number: 18640-74-9

Date Report Requested: 09/15/2018

Time Report Requested: 15:27:26

NTP Study Number:

A04527

Study Result:

Positive

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Test Type: Genetic Toxicology - Bacterial
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CAS Number: 18640-74-9

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	108 ± 6.1	110 ± 9.1	137 ± 6.4	123 ± 9.6	138 ± 4.9
3.0					135 ± 2.6
10.0	92 ± 2.7	124 ± 5.0	136 ± 2.5	162 ± 7.8	141 ± 5.8
33.0	94 ± 4.7	140 ± 2.9	172 ± 7.6	174 ± 10.4	187 ± 10.7
66.0					274 ± 9.2
100.0	87 ± 0.3	261 ± 7.2	264 ± 6.9	454 ± 23.2	340 ± 17.1
333.0	93 ± 4.8	324 ± 12.2	295 ± 7.6	1152 ± 17.9	
666.0			365 ± 11.5		
1000.0	0 ± 0.0 ^x	280 ± 10.8		2337 ± 65.5	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				833 ± 10.5	1037 ± 29.8
Positive Control ³		551 ± 26.5	707 ± 56.8		
Positive Control ⁴	889 ± 30.2				

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	15 ± 3.2	19 ± 3.5	23 ± 2.5
10.0	19 ± 4.1	22 ± 3.6	36 ± 13.0
33.0	20 ± 4.1	21 ± 4.2	44 ± 15.0
100.0	20 ± 0.7	19 ± 2.6	25 ± 0.6
333.0	19 ± 2.7	16 ± 1.8	23 ± 2.5
1000.0	9 ± 0.6	18 ± 0.3	22 ± 7.6
Trial Summary	Negative	Negative	Negative
Positive Control ²			944 ± 21.2
Positive Control ⁵	448 ± 17.5		
Positive Control ³		687 ± 23.4	

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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: 2.0 ug/Plate 2-Aminoanthracene

3: 5.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

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

x: Slight Toxicity and Precipitate

**** END OF REPORT ****