

Experiment Number: 467333

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

G06: Ames Summary Data

Test Compound: **2-Amino-5-nitrothiazole**

CAS Number: **121-66-4**

Date Report Requested: **09/11/2018**

Time Report Requested: **10:39:56**

NTP Study Number: 467333

Study Result: Positive

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Test Compound: 2-Amino-5-nitrothiazole

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	101 ± 4.3	115 ± 5.8	104 ± 4.9	122 ± 3.0	103 ± 2.1
10.0	129 ± 3.2	164 ± 9.3	117 ± 4.9	116 ± 6.8	125 ± 4.6
33.0	219 ± 7.0	215 ± 1.8	146 ± 7.0		126 ± 2.2
100.0	286 ± 3.7	372 ± 2.9	209 ± 10.6	205 ± 5.7	189 ± 8.7
333.0	458 ± 24.1	493 ± 18.8	444 ± 6.4	411 ± 10.8	379 ± 7.3
500.0				540 ± 16.0	
750.0				900 ± 13.2	
1000.0	866 ± 22.8 ^s	1000 ± 39.5 ^s	1225 ± 38.9	904 ± 189.8	1743 ± 33.7
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	514 ± 11.2	486 ± 15.2			
Positive Control ³					619 ± 52.9
Positive Control ⁴			1033 ± 37.8	1180 ± 47.7	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	114 ± 6.5
10.0	133 ± 10.8
33.0	
100.0	173 ± 10.8
333.0	305 ± 4.3
500.0	469 ± 21.1
750.0	912 ± 44.5
1000.0	1293 ± 102.1
Trial Summary	Positive
Positive Control ²	
Positive Control ³	707 ± 26.5
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	22 ± 4.9	16 ± 1.9	31 ± 0.6	27 ± 3.5	23 ± 2.2
10.0	34 ± 1.7	34 ± 0.9	31 ± 1.5	25 ± 1.2	21 ± 2.3
33.0	40 ± 4.2	45 ± 5.2	30 ± 3.2		28 ± 2.1
100.0	57 ± 3.2	67 ± 5.8	38 ± 3.1	40 ± 2.0	35 ± 4.5
333.0	101 ± 12.5	93 ± 5.5	70 ± 1.9	49 ± 3.2	63 ± 5.5
500.0				69 ± 4.7	
750.0				100 ± 7.5	
1000.0	216 ± 6.8	180 ± 11.5	112 ± 5.8	144 ± 9.6	175 ± 22.4
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ³			322 ± 13.5	363 ± 3.5	466 ± 20.8
Positive Control ⁵	342 ± 20.0	295 ± 9.1			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	40 ± 0.9
10.0	32 ± 1.5
33.0	
100.0	41 ± 4.4
333.0	59 ± 2.3
500.0	83 ± 3.0
750.0	131 ± 2.7
1000.0	167 ± 10.6
Trial Summary	Positive
Positive Control ³	433 ± 7.9
Positive Control ⁵	

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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: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****