

Experiment Number: 539422

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

G06: Ames Summary Data

Test Compound: **2-Amino-4-phenylthiazole HBr H2O**

CAS Number: **52253-69-7**

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

Time Report Requested: **00:56:30**

NTP Study Number:

539422

Study Result:

Positive

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Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-4-phenylthiazole HBr H2O

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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	111 ± 15.3	147 ± 3.5	144 ± 9.3	137 ± 6.8	170 ± 3.8
33.0	118 ± 6.7	148 ± 15.5	196 ± 1.9	157 ± 9.5	206 ± 14.8
66.0		172 ± 8.9		189 ± 3.5	212 ± 5.2
100.0	132 ± 4.4	186 ± 12.0	200 ± 13.2	261 ± 8.7	278 ± 11.1
166.0			290 ± 13.5		380 ± 18.2
333.0	118 ± 7.9	504 ± 12.5	460 ± 18.5	982 ± 8.1	723 ± 47.3
666.0		684 ± 25.1	601 ± 13.8	1438 ± 78.1	
1000.0	135 ± 2.1				
1666.0	0 ± 0.0 ^s				
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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Time Report Requested: 00:56:30

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	20 ± 3.0	26 ± 1.2	24 ± 2.8	36 ± 2.6	34 ± 4.0
33.0	21 ± 1.5	34 ± 5.0		21 ± 5.5	20 ± 0.3
66.0		30 ± 2.3		37 ± 2.7	
100.0	18 ± 2.2	35 ± 7.0	25 ± 3.1	47 ± 3.2	28 ± 3.5
166.0			37 ± 2.3		50 ± 2.0
333.0	16 ± 2.0	65 ± 1.5	60 ± 1.2	134 ± 3.4	87 ± 9.0
666.0		96 ± 2.6	75 ± 6.3	171 ± 22.1	134 ± 27.7
1000.0	16 ± 3.5		97 ± 3.7		
1666.0	0 ± 0.0 ^s				
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

s: Slight Toxicity

**** END OF REPORT ****