

Experiment Number: 850790

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Azathioprine

CAS Number: 446-86-6

Date Report Requested: 09/16/2018

Time Report Requested: 08:41:12

NTP Study Number:

850790

Study Result:

Positive

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Mutagenicity**G06: Ames Summary Data**

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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	145 ± 13.3	142 ± 8.8	125 ± 10.4	142 ± 12.8	128 ± 5.5
10.0	150 ± 2.1	160 ± 11.4			
33.0	212 ± 5.7	262 ± 15.9	166 ± 6.7	209 ± 7.2	125 ± 0.6
66.0					
100.0	363 ± 18.5	504 ± 13.3	262 ± 10.2	324 ± 18.2	151 ± 11.3
166.0		661 ± 36.7			199 ± 5.4
333.0	635 ± 21.5	726 ± 25.8	336 ± 12.0	439 ± 18.2	393 ± 17.4
666.0	663 ± 17.2				646 ± 14.4
1000.0			547 ± 12.5	635 ± 28.0	
1666.0			451 ± 225.5	514 ± 109.8	
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					558 ± 32.7
Positive Control ³	370 ± 18.4	504 ± 8.1			
Positive Control ⁴			383 ± 13.7	578 ± 41.9	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	144 ± 7.0
10.0	
33.0	
66.0	212 ± 16.6
100.0	213 ± 14.2
166.0	308 ± 7.9
333.0	567 ± 43.0
666.0	822 ± 4.6
1000.0	
1666.0	
Trial Summary	Positive
Positive Control ²	647 ± 7.4
Positive Control ³	
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	18 ± 2.1	36 ± 4.4	29 ± 2.3
10.0	15 ± 1.0		
33.0	16 ± 1.7	33 ± 4.8	29 ± 2.1
100.0	14 ± 3.5	32 ± 3.7	28 ± 2.3
166.0			27 ± 1.5
333.0	15 ± 3.2	27 ± 0.6	27 ± 2.6
666.0	17 ± 2.4		22 ± 3.2
1000.0		27 ± 2.4	
1666.0		19 ± 9.5	
Trial Summary	Negative	Negative	Negative
Positive Control ²		122 ± 5.8	438 ± 12.6
Positive Control ⁵	540 ± 11.6		

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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: 2.5 ug/Plate 2-Aminoanthracene
- 5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **