

Experiment Number: 028675

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Benzimidazol-2-ylurea

CAS Number: 24370-25-0

Date Report Requested: 09/14/2018

Time Report Requested: 13:54:01

NTP Study Number:

028675

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	117 ± 8.2	119 ± 9.0	114 ± 10.2
100.0	135 ± 6.7	127 ± 7.9	117 ± 10.6
333.0	135 ± 6.7	128 ± 1.5	120 ± 13.1
1000.0	137 ± 7.4	71 ± 35.8	91 ± 6.1
3333.0	128 ± 10.7	121 ± 19.2	87 ± 2.4
6666.0	77 ± 15.2		81 ± 7.0
10000.0		106 ± 29.2	
Trial Summary	Negative	Negative	Negative
Positive Control ²			424 ± 2.9
Positive Control ³	279 ± 9.0		
Positive Control ⁴		300 ± 9.0	

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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	15 ± 0.3	18 ± 2.8	30 ± 0.9	25 ± 4.0	33 ± 3.6
33.0		27 ± 3.2			
100.0	44 ± 1.0	38 ± 1.7	26 ± 0.3		30 ± 0.6
333.0	90 ± 4.6	87 ± 3.4	33 ± 2.0		26 ± 3.5
1000.0	191 ± 10.4	220 ± 6.8	32 ± 4.1	48 ± 2.6	67 ± 3.8
1666.0				50 ± 4.8	
3333.0	300 ± 11.3	557 ± 29.8	86 ± 5.6	117 ± 8.4	222 ± 26.8
6666.0	163 ± 30.6			184 ± 33.7	386 ± 2.0
10000.0			216 ± 45.0	174 ± 42.4	
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²			142 ± 4.3	117 ± 7.3	261 ± 10.0
Positive Control ⁵	382 ± 26.2	824 ± 67.5			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	31 ± 5.5
33.0	
100.0	
333.0	42 ± 3.1
1000.0	66 ± 5.4
1666.0	97 ± 16.2
3333.0	152 ± 28.0
6666.0	345 ± 95.4
10000.0	
Trial Summary	Positive
Positive Control ²	380 ± 30.0
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: 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

** END OF REPORT **