

Experiment Number: 918212

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3-Amino-9-ethylcarbazole HCl

CAS Number: 6109-97-3

Date Report Requested: 09/17/2018

Time Report Requested: 02:50:31

NTP Study Number:

918212

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	77 ± 9.6	103 ± 4.3	110 ± 4.6	140 ± 11.5	106 ± 9.6
1.0					209 ± 9.6
3.3					405 ± 17.9
10.0				433 ± 2.2	493 ± 20.7
33.0		125 ± 9.3		431 ± 4.7	427 ± 13.9
100.0	89 ± 4.3	108 ± 5.9	307 ± 6.6	406 ± 7.3	531 ± 44.4
333.0	98 ± 4.4	121 ± 5.1	242 ± 77.1	456 ± 25.1	
1000.0	104 ± 7.5	127 ± 6.0	172 ± 6.4	446 ± 3.8	
3333.0	135 ± 9.3 ^P	155 ± 14.0	65 ± 14.2 ^P		
10000.0	1 ± 0.6 ^P		19 ± 6.1 ^P		
Trial Summary	Weakly Positive	Negative	Positive	Positive	Positive
Positive Control ²			1027 ± 99.6	2353 ± 214.3	1170 ± 80.4
Positive Control ³	460 ± 19.9	324 ± 35.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	116 ± 8.0	122 ± 3.2	110 ± 10.0
1.0			234 ± 10.0
3.3			235 ± 14.0
10.0		314 ± 10.5	254 ± 19.6
33.0		297 ± 25.1	176 ± 8.1
100.0	215 ± 3.9	222 ± 8.5	277 ± 12.3
333.0	156 ± 12.2	182 ± 9.3	
1000.0	138 ± 2.4	Toxic	
3333.0	132 ± 27.5 ^P		
10000.0	0 ± 0.0 ^P		
Trial Summary	Equivocal	Positive	Positive
Positive Control ²	1100 ± 29.8	3187 ± 74.2	1929 ± 92.5
Positive Control ³			

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 0.7	4 ± 1.5	4 ± 0.3
100.0	4 ± 0.7	6 ± 0.7	5 ± 1.5
333.0	1 ± 0.6	6 ± 1.2	2 ± 0.3
1000.0	2 ± 0.3 ^P	4 ± 0.6 ^P	3 ± 0.3
3333.0	2 ± 0.3 ^P	7 ± 1.2 ^P	0 ± 0.0 ^P
10000.0	0 ± 0.0 ^P	0 ± 0.0 ^P	0 ± 0.0 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ²		100 ± 13.4	103 ± 4.0
Positive Control ³	310 ± 34.5		

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 1.5	5 ± 0.6	5 ± 1.3	6 ± 0.7	6 ± 0.0
0.33		4 ± 0.6			
1.0		4 ± 0.3			
3.3		6 ± 0.3		30 ± 4.5	
10.0		6 ± 0.7		117 ± 17.4	
33.0		7 ± 1.0		159 ± 13.8	
100.0	0 ± 0.0		157 ± 15.7	128 ± 5.4	26 ± 4.6
333.0	0 ± 0.0		149 ± 16.5	170 ± 9.4	20 ± 3.5
1000.0	0 ± 0.0 ^P		Toxic		Toxic
3333.0	0 ± 0.0 ^P		12 ± 12.3 ^P		0 ± 0.0 ^P
10000.0	0 ± 0.0 ^P		0 ± 0.0 ^P		0 ± 0.0 ^P
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control ²			124 ± 27.5	174 ± 17.1	201 ± 8.8
Positive Control ⁴	398 ± 39.7	132 ± 3.2			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.7
0.33	
1.0	
3.3	57 ± 7.3
10.0	57 ± 7.4
33.0	53 ± 8.7
100.0	47 ± 11.5
333.0	21 ± 2.5
1000.0	
3333.0	
10000.0	
Trial Summary	Positive
Positive Control ²	103 ± 40.1
Positive Control ⁴	

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CAS Number: 6109-97-3

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 1.5	16 ± 3.5	19 ± 1.5	17 ± 2.9	20 ± 1.7
10.0			841 ± 62.1		287 ± 30.5
33.0			709 ± 37.3		160 ± 18.8
100.0	13 ± 0.6	492 ± 38.3	568 ± 13.9	178 ± 8.8	169 ± 22.2
333.0	14 ± 1.0	268 ± 22.9	437 ± 66.4	Toxic	104 ± 21.2
1000.0	17 ± 3.2	363 ± 31.8	574 ± 75.6	Toxic	132 ± 13.0
3333.0	16 ± 2.6 ^P	301 ± 23.5 ^P		163 ± 8.5 ^P	
10000.0	17 ± 1.9 ^P	144 ± 12.0 ^P		0 ± 0.0 ^P	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		615 ± 69.9	1346 ± 101.3	671 ± 40.6	2530 ± 157.8
Positive Control ⁵	306 ± 17.2				

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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: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****