

Experiment Number: **557891**

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

G06: Ames Summary Data

Test Compound: **Procarbazine hydrochloride**

CAS Number: **366-70-1**

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

Time Report Requested: **22:13:18**

NTP Study Number:

557891

Study Result:

Negative

Experiment Number: 557891

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G06: Ames Summary Data

Test Compound: Procarbazine hydrochloride

CAS Number: 366-70-1

Date Report Requested: 09/13/2018

Time Report Requested: 22:13:18

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	125 ± 4.7	80 ± 6.9	89 ± 9.1	129 ± 2.3	88 ± 6.6
100.0	126 ± 8.7	72 ± 4.9	96 ± 5.0	122 ± 6.4	71 ± 3.8
333.0	116 ± 0.5	78 ± 6.0	95 ± 2.4	127 ± 3.3	72 ± 4.9
1000.0	107 ± 6.9	79 ± 5.2	100 ± 3.2	125 ± 3.7	81 ± 6.7
3333.0	115 ± 9.4	81 ± 7.8	82 ± 7.5	138 ± 8.2	81 ± 4.6
5000.0	137 ± 10.0	73 ± 3.8	89 ± 3.5	133 ± 7.5	76 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					202 ± 9.8
Positive Control ³	391 ± 7.0	305 ± 30.6			
Positive Control ⁴			285 ± 11.4		
Positive Control ⁵					
Positive Control ⁶				354 ± 8.5	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	135 ± 0.6
100.0	141 ± 6.4
333.0	132 ± 7.3
1000.0	130 ± 10.8
3333.0	126 ± 5.5
5000.0	139 ± 5.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	527 ± 21.9
Positive Control ⁶	

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Date Report Requested: 09/13/2018

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	27 ± 4.0	19 ± 4.9	10 ± 2.1	12 ± 2.3	7 ± 0.9
100.0	28 ± 1.8	15 ± 2.4	7 ± 1.5	12 ± 1.8	6 ± 1.5
333.0	29 ± 3.5	16 ± 2.1	11 ± 1.9	9 ± 1.2	11 ± 1.5
1000.0	26 ± 1.7	21 ± 3.2	5 ± 1.5	11 ± 0.9	4 ± 1.5
3333.0	28 ± 1.7	8 ± 3.6	8 ± 0.9	9 ± 2.0	9 ± 3.5
5000.0	35 ± 4.7	14 ± 3.5	8 ± 2.4	13 ± 2.1	7 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					19 ± 2.2
Positive Control ³	276 ± 8.1	161 ± 13.0			
Positive Control ⁵					
Positive Control ⁶			172 ± 14.9	115 ± 7.2	

Experiment Number: 557891

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G06: Ames Summary Data

Test Compound: Procarbazine hydrochloride

CAS Number: 366-70-1

Date Report Requested: 09/13/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 2.6
100.0	8 ± 1.2
333.0	8 ± 1.2
1000.0	8 ± 1.2
3333.0	8 ± 2.3
5000.0	11 ± 0.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	148 ± 4.0
Positive Control ⁶	

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Test Compound: Procarbazine hydrochloride

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Date Report Requested: 09/13/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	3 ± 1.2	7 ± 0.6	6 ± 1.7	10 ± 1.2	5 ± 0.9
100.0	5 ± 0.3	5 ± 0.3	6 ± 0.3	11 ± 1.0	6 ± 0.9
333.0	6 ± 1.5	5 ± 0.3	6 ± 0.9	10 ± 3.8	7 ± 1.9
1000.0	5 ± 1.2	5 ± 1.0	6 ± 1.5	11 ± 2.4	9 ± 0.7
3333.0	8 ± 2.6	5 ± 0.9	7 ± 1.5	9 ± 2.0	5 ± 1.0
5000.0	5 ± 0.7	7 ± 1.7	6 ± 0.3	9 ± 1.2	6 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					141 ± 22.3
Positive Control ⁶			163 ± 13.6		
Positive Control ⁷				37 ± 3.7	
Positive Control ⁸	300 ± 46.5	72 ± 9.7			

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Date Report Requested: 09/13/2018

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Strain: TA1537

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	8 ± 2.3
100.0	8 ± 0.7
333.0	7 ± 1.8
1000.0	9 ± 3.6
3333.0	6 ± 0.9
5000.0	11 ± 2.3
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	
Positive Control ⁸	81 ± 5.0

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	86 ± 3.4	84 ± 5.2	114 ± 6.9	176 ± 1.8	115 ± 4.7
100.0	81 ± 0.9	75 ± 7.6	119 ± 3.8	157 ± 17.2	111 ± 4.3
333.0	73 ± 7.8	86 ± 9.4	110 ± 6.6	183 ± 6.7	104 ± 2.0
1000.0	90 ± 9.3	87 ± 13.0	119 ± 4.0	186 ± 18.5	113 ± 2.0
3333.0	88 ± 4.0	98 ± 1.2	124 ± 3.2	165 ± 6.1	124 ± 5.4
5000.0	83 ± 5.5	100 ± 3.0	113 ± 9.7	142 ± 9.0	105 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					614 ± 41.6
Positive Control ⁶			913 ± 31.2		
Positive Control ⁹	1249 ± 107.2	397 ± 40.7		344 ± 12.0	

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Test Compound: Procarbazine hydrochloride
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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	145 ± 7.4
100.0	121 ± 1.5
333.0	121 ± 3.8
1000.0	160 ± 5.5
3333.0	122 ± 3.6
5000.0	132 ± 6.6
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁹	624 ± 34.0

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Test Compound: Procarbazine hydrochloride

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 2.3	14 ± 2.3	24 ± 2.3	21 ± 1.9	23 ± 2.8
100.0	13 ± 2.9	11 ± 0.6	22 ± 1.5	21 ± 2.1	26 ± 3.1
333.0	13 ± 0.6	12 ± 2.6	26 ± 1.8	18 ± 1.2	29 ± 4.0
1000.0	13 ± 1.5	14 ± 2.2	28 ± 2.9	20 ± 2.4	32 ± 3.3
3333.0	16 ± 3.5	18 ± 1.8	22 ± 3.5	21 ± 2.9	25 ± 4.3
5000.0	9 ± 1.5	21 ± 0.9	26 ± 2.9	22 ± 4.3	30 ± 2.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					205 ± 14.6
Positive Control ²					
Positive Control ³				54 ± 1.5	
Positive Control ¹¹	114 ± 3.2	211 ± 7.0			
Positive Control ⁵			51 ± 5.8		

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	20 ± 4.8
100.0	23 ± 3.5
333.0	17 ± 2.1
1000.0	25 ± 0.3
3333.0	30 ± 1.5
5000.0	28 ± 2.1
Trial Summary	Negative
Positive Control ¹⁰	
Positive Control ²	104 ± 1.8
Positive Control ³	
Positive Control ¹¹	
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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 2-Aminoanthracene

8: 4.0 ug/Plate 9-Aminoacridine

9: 8.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****