

Experiment Number: 668871

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

G06: Ames Summary Data

Test Compound: **S-ethyl dipropylthiocarbamate**

CAS Number: 759-94-4

Date Report Requested: 09/11/2018

Time Report Requested: 12:20:37

NTP Study Number:

668871

Study Result:

Negative

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Test Compound: S-ethyl dipropylthiocarbamate
CAS Number: 759-94-4

Date Report Requested: 09/11/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	85 ± 10.1	91 ± 8.8	102 ± 5.0	86 ± 0.0	107 ± 10.9
1.0		81 ± 1.7			
3.3	69 ± 1.8	87 ± 7.5	119 ± 8.0		87 ± 3.8
10.0	75 ± 0.6	102 ± 9.3	106 ± 1.2		88 ± 12.8
33.0	69 ± 2.7	101 ± 4.1	103 ± 4.6	90 ± 9.0	86 ± 7.6
100.0	68 ± 1.8 ^s	82 ± 5.9	98 ± 7.0	104 ± 9.9	89 ± 3.9
200.0	0 ± 0.0 ^s			75 ± 12.5	
333.0			71 ± 3.7 ^s	63 ± 4.6 ^s	56 ± 3.0 ^s
666.0				0 ± 0.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1367 ± 298.3
Positive Control ³	363 ± 9.6	325 ± 25.8			
Positive Control ⁴			1301 ± 0.3		
Positive Control ⁵					
Positive Control ⁶				431 ± 23.1	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	96 ± 7.0
1.0	
3.3	
10.0	
33.0	100 ± 2.6
100.0	84 ± 6.7
200.0	78 ± 8.4
333.0	59 ± 2.1 ^s
666.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	536 ± 17.6
Positive Control ⁶	

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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	15 ± 0.9	15 ± 3.0	8 ± 1.2	10 ± 1.2	6 ± 1.5
1.0		17 ± 2.0			
3.3	18 ± 1.5	17 ± 2.9	9 ± 0.3	9 ± 1.2	6 ± 1.2
10.0	23 ± 2.5	13 ± 1.0	9 ± 0.9	11 ± 2.8	4 ± 1.3
33.0	17 ± 0.9	14 ± 1.3	6 ± 0.7	11 ± 2.4	6 ± 0.0
100.0	6 ± 1.2 ^s	17 ± 1.7	8 ± 1.5	6 ± 2.0	5 ± 1.7
150.0	4 ± 0.9 ^s				
333.0			9 ± 1.5 ^s	6 ± 1.2 ^s	3 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					95 ± 7.3
Positive Control ³	166 ± 15.5	184 ± 8.8			
Positive Control ⁵					
Positive Control ⁶			119 ± 4.3	84 ± 6.0	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 2.4
1.0	
3.3	9 ± 2.0
10.0	8 ± 1.9
33.0	10 ± 0.6
100.0	9 ± 0.9
150.0	
333.0	7 ± 1.2 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	71 ± 6.5
Positive Control ⁶	

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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	5 ± 1.2	9 ± 0.9	9 ± 1.5	8 ± 0.9	12 ± 1.2
1.0		12 ± 1.5			
3.3	6 ± 0.9	9 ± 3.5	11 ± 1.7	5 ± 1.0	12 ± 2.3
10.0	4 ± 0.6	11 ± 2.1	11 ± 0.7	8 ± 2.0	12 ± 2.1
33.0	5 ± 0.7	11 ± 0.9	10 ± 1.2	9 ± 0.9	14 ± 1.5
100.0	4 ± 0.6	11 ± 0.9	16 ± 2.9	8 ± 1.2	15 ± 2.0
150.0	4 ± 0.6 ^s				
333.0			11 ± 2.9 ^s	4 ± 0.6	6 ± 1.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					523 ± 13.8
Positive Control ⁶			182 ± 6.4		
Positive Control ⁷				31 ± 0.7	
Positive Control ⁸	25 ± 1.2	24 ± 5.0			

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Strain: TA1537

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	6 ± 0.6
1.0	
3.3	6 ± 0.6
10.0	10 ± 1.9
33.0	6 ± 0.3
100.0	8 ± 1.0
150.0	
333.0	7 ± 2.2 ^s
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	59 ± 1.3
Positive Control ⁸	

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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	87 ± 6.6	61 ± 1.2	133 ± 10.1	154 ± 2.6	103 ± 4.8
1.0		68 ± 7.0			
3.3	82 ± 5.5	80 ± 5.0	139 ± 6.4	184 ± 6.8	106 ± 8.3
10.0	89 ± 11.8	79 ± 0.9	134 ± 12.0	166 ± 4.1	101 ± 2.5
33.0	79 ± 5.5	53 ± 10.5	122 ± 5.0	134 ± 4.0	105 ± 6.4
100.0	70 ± 7.8 ^s	71 ± 12.1	129 ± 7.6	149 ± 2.4 ^s	100 ± 7.0
150.0	0 ± 0.0 ^s				
333.0			75 ± 1.7 ^s	85 ± 5.8 ^s	59 ± 1.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					1750 ± 37.0
Positive Control ⁶			942 ± 46.8		
Positive Control ⁷				313 ± 10.0	
Positive Control ⁹	256 ± 2.4	121 ± 1.0			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	126 ± 6.2
1.0	
3.3	130 ± 8.1
10.0	129 ± 12.1
33.0	125 ± 7.2
100.0	134 ± 10.7
150.0	
333.0	66 ± 12.4 ^s
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	486 ± 18.6
Positive Control ⁹	

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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	15 ± 1.5	13 ± 1.3	18 ± 3.0	17 ± 5.5	18 ± 1.7
1.0		16 ± 3.2			
3.3	12 ± 1.7	18 ± 2.7	22 ± 6.4		23 ± 0.3
10.0	15 ± 3.2	13 ± 2.1	18 ± 2.0		24 ± 3.7
33.0	14 ± 2.3	13 ± 0.7	20 ± 3.8	18 ± 2.6	24 ± 1.8
100.0	18 ± 3.2	11 ± 0.6	21 ± 2.2	22 ± 2.7	19 ± 1.2
200.0	0 ± 0.0 ^s			21 ± 1.5	
333.0			19 ± 3.8 ^s	17 ± 3.7 ^s	13 ± 2.4 ^s
666.0				0 ± 0.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					208 ± 16.2
Positive Control ²			275 ± 7.2		
Positive Control ⁵				107 ± 4.8	
Positive Control ¹¹	279 ± 11.7	170 ± 6.1			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	22 ± 1.2
1.0	
3.3	
10.0	
33.0	24 ± 2.6
100.0	22 ± 3.6
200.0	20 ± 0.6
333.0	16 ± 2.6 ^s
666.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ¹⁰	
Positive Control ²	45 ± 6.3
Positive Control ⁵	
Positive Control ¹¹	

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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

s: Slight Toxicity

**** END OF REPORT ****