

Experiment Number: A59140

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Methyl styryl ketone

CAS Number: 122-57-6

Date Report Requested: 09/17/2018

Time Report Requested: 08:37:22

**NTP Study Number:**

A59140

**Study Result:**

Positive

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**G06: Ames Summary Data**

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**Strain: TA100**

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	108 ± 2.1	130 ± 7.8	106 ± 2.3	124 ± 3.7
10.0	117 ± 6.0		118 ± 2.7	
33.0	128 ± 6.5	148 ± 3.8	141 ± 3.0	117 ± 3.5
100.0	112 ± 7.0	204 ± 18.6	214 ± 31.1	114 ± 12.4
166.0		238 ± 41.2	306 ± 11.6	126 ± 12.5
333.0	100 ± 4.6	411 ± 18.0	355 ± 19.8	118 ± 12.1
666.0	60 ± 11.3		380 ± 20.6	
1000.0		277 ± 26.6		92 ± 10.3
Trial Summary	Negative	Positive	Positive	Negative
Positive Control <sup>2</sup>				508 ± 8.4
Positive Control <sup>3</sup>	905 ± 20.3			
Positive Control <sup>4</sup>		394 ± 38.0	673 ± 41.4	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	15 ± 2.9	33 ± 2.9	29 ± 0.3
10.0	22 ± 2.9		
33.0	16 ± 1.5	30 ± 7.3	33 ± 2.2
100.0	19 ± 0.3	20 ± 3.2	26 ± 1.3
166.0		21 ± 3.0	26 ± 5.2
333.0	20 ± 3.2	27 ± 2.0	22 ± 1.5
666.0	16 ± 1.8		
1000.0		17 ± 2.0	20 ± 2.6
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			661 ± 31.9
Positive Control <sup>5</sup>	394 ± 12.7		
Positive Control <sup>4</sup>		495 ± 11.3	

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#### LEGEND

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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: 2.0 ug/Plate 2-Aminoanthracene
- 3: 5.0 ug/Plate Sodium Azide
- 4: 5.0 ug/Plate 2-Aminoanthracene
- 5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

\*\* END OF REPORT \*\*