

Experiment Number: A17064

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 09/16/2018

Time Report Requested: 01:50:02

**NTP Study Number:**

A17064

**Study Result:**

Positive

Experiment Number: A17064  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Methyl trans-styryl ketone  
CAS Number: 1896-62-4

Date Report Requested: 09/16/2018  
Time Report Requested: 01:50:02

---

**Strain: TA100**

---

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	83 ± 7.6	64 ± 5.5	76 ± 3.5	77 ± 5.2
100.0	82 ± 8.0	77 ± 5.2	121 ± 6.7	152 ± 8.1
500.0	82 ± 3.2	76 ± 5.5	224 ± 5.9	214 ± 8.7
1000.0		51 ± 5.4		236 ± 3.8
1500.0	79 ± 2.4	19 ± 2.9	264 ± 5.9	215 ± 18.3
2000.0		0 ± 0.0		201 ± 14.4
2500.0	0 ± 0.0		184 ± 4.9	
3500.0	0 ± 0.0		8 ± 0.6	
Trial Summary	Negative	Negative	Positive	Positive
Positive Control <sup>2</sup>	314 ± 23.9	650 ± 9.3		
Positive Control <sup>3</sup>			831 ± 31.5	731 ± 10.8

Experiment Number: A17064  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Methyl trans-styryl ketone  
CAS Number: 1896-62-4

Date Report Requested: 09/16/2018  
Time Report Requested: 01:50:02

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	22 ± 1.8	26 ± 4.4	33 ± 1.8	29 ± 4.6
100.0	24 ± 2.9	13 ± 1.8	34 ± 2.3	25 ± 4.5
500.0	24 ± 2.1	17 ± 0.6	28 ± 4.5	24 ± 2.7
1000.0		15 ± 1.8		20 ± 2.6
1500.0	3 ± 0.6	13 ± 1.2	22 ± 3.0	20 ± 2.6
2000.0		10 ± 1.2		11 ± 1.3
2500.0	0 ± 0.0		9 ± 0.3	
3500.0	0 ± 0.0		1 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			425 ± 22.2	1188 ± 76.8
Positive Control <sup>4</sup>	474 ± 13.7	594 ± 28.7		

Experiment Number: A17064  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Methyl trans-styryl ketone  
CAS Number: 1896-62-4

Date Report Requested: 09/16/2018  
Time Report Requested: 01:50:02

Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	140 ± 8.0	194 ± 8.7	140 ± 11.9	235 ± 6.6
100.0	111 ± 8.6	157 ± 13.4	258 ± 12.5	236 ± 22.5
500.0	89 ± 7.0	124 ± 10.3	246 ± 13.5	263 ± 7.4
1000.0		89 ± 6.4		239 ± 16.0
1500.0	42 ± 5.0	44 ± 3.8	239 ± 29.7	179 ± 8.0
2000.0		21 ± 3.3		139 ± 22.1
2500.0	4 ± 1.3		117 ± 19.1	
3500.0	0 ± 0.0		11 ± 3.5	
Trial Summary	Negative	Negative	Positive	Negative
Positive Control <sup>5</sup>			1071 ± 25.7	1248 ± 22.9
Positive Control <sup>6</sup>	2372 ± 23.1	2158 ± 15.7		

Experiment Number: A17064  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**  
Test Compound: Methyl trans-styryl ketone  
CAS Number: 1896-62-4

Date Report Requested: 09/16/2018  
Time Report Requested: 01:50:02

#### **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 Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

**\*\* END OF REPORT \*\***