

Experiment Number: 811284

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Piperonal acetone

CAS Number: 3160-37-0

Date Report Requested: 09/15/2018

Time Report Requested: 13:26:05

**NTP Study Number:**

811284

**Study Result:**

Negative

Experiment Number: 811284

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Piperonal acetone

CAS Number: 3160-37-0

Date Report Requested: 09/15/2018

Time Report Requested: 13:26:05

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	131 ± 5.2	153 ± 6.2	137 ± 11.4	137 ± 6.5	132 ± 2.3
10.0	129 ± 5.7	147 ± 3.7			
33.0	133 ± 6.8	149 ± 6.6	142 ± 5.3	145 ± 3.3	142 ± 1.0
100.0	144 ± 7.2	153 ± 11.7	134 ± 7.0	136 ± 2.6	134 ± 7.2
333.0	156 ± 14.4	169 ± 5.9	131 ± 3.4	148 ± 4.3	136 ± 12.6
900.0		157 ± 5.7 <sup>s</sup>			
1000.0	101 ± 2.0 <sup>s</sup>		146 ± 7.2	145 ± 5.5	150 ± 4.9
3000.0				Toxic	
3333.0			Toxic		143 ± 1.5 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1758 ± 34.5
Positive Control <sup>3</sup>			746 ± 12.5	1616 ± 6.7	
Positive Control <sup>4</sup>	1514 ± 37.6	1504 ± 77.0			

Experiment Number: 811284

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Piperonal acetone  
CAS Number: 3160-37-0

Date Report Requested: 09/15/2018

Time Report Requested: 13:26:05

---

**Strain: TA100**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	155 ± 1.5
10.0	
33.0	151 ± 10.4
100.0	154 ± 5.4
333.0	153 ± 1.2
900.0	
1000.0	138 ± 8.6
3000.0	
3333.0	131 ± 8.3 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	1106 ± 30.1
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

Experiment Number: 811284

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Piperonal acetone  
CAS Number: 3160-37-0

Date Report Requested: 09/15/2018

Time Report Requested: 13:26:05

## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	19 ± 2.9	35 ± 0.0	8 ± 1.0	7 ± 0.3	6 ± 1.2
10.0	20 ± 2.9	24 ± 3.5			
33.0	23 ± 2.6	23 ± 3.1	8 ± 3.5	9 ± 2.0	8 ± 1.5
100.0	22 ± 3.3	25 ± 1.8	12 ± 1.8	7 ± 2.5	11 ± 1.5
333.0	27 ± 3.0	25 ± 2.3	13 ± 2.2	7 ± 1.2	11 ± 1.2
900.0		9 ± 0.7 <sup>s</sup>			
1000.0	10 ± 1.5 <sup>s</sup>		12 ± 1.5	9 ± 1.3	11 ± 2.6
3000.0				Toxic	
3333.0			Toxic		11 ± 1.5 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					130 ± 2.8
Positive Control <sup>3</sup>			76 ± 6.8	88 ± 4.7	
Positive Control <sup>4</sup>	1163 ± 34.5	1218 ± 18.2			

Experiment Number: 811284

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Piperonal acetone  
CAS Number: 3160-37-0

Date Report Requested: 09/15/2018

Time Report Requested: 13:26:05

---

**Strain: TA1535**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	8 ± 0.3
10.0	
33.0	10 ± 0.9
100.0	7 ± 0.9
333.0	7 ± 1.5
900.0	
1000.0	10 ± 0.9
3000.0	
3333.0	7 ± 0.9 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	85 ± 3.3
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

Experiment Number: 811284

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity**G06: Ames Summary Data**Test Compound: Piperonal acetone  
CAS Number: 3160-37-0

Date Report Requested: 09/15/2018

Time Report Requested: 13:26:05

**Strain: TA1537**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	4 ± 1.9	6 ± 1.0	6 ± 0.9	10 ± 3.7	11 ± 1.0
10.0	4 ± 1.2	5 ± 0.0			
33.0	4 ± 0.3	5 ± 2.3	7 ± 2.2	6 ± 1.5	5 ± 0.6
100.0	4 ± 0.9	5 ± 0.3	8 ± 0.9	6 ± 0.3	7 ± 1.2
333.0	5 ± 0.6	5 ± 1.2	7 ± 0.3	8 ± 0.9	5 ± 1.0
900.0		6 ± 2.2 <sup>s</sup>			
1000.0	5 ± 0.5 <sup>s</sup>		9 ± 1.8	8 ± 0.6	6 ± 1.8
3000.0				Toxic	
3333.0			7 ± 0.5 <sup>s</sup>		6 ± 1.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					222 ± 6.9
Positive Control <sup>3</sup>			64 ± 7.9	150 ± 8.9	
Positive Control <sup>5</sup>	144 ± 11.8	639 ± 39.2			

Experiment Number: 811284  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Piperonal acetone  
CAS Number: 3160-37-0

Date Report Requested: 09/15/2018  
Time Report Requested: 13:26:05

---

Strain: TA1537

---

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 1.2
10.0	
33.0	6 ± 1.2
100.0	8 ± 0.9
333.0	7 ± 1.7
900.0	
1000.0	8 ± 1.3
3000.0	
3333.0	8 ± 2.7 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	75 ± 9.1
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	

Experiment Number: 811284

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Piperonal acetone

CAS Number: 3160-37-0

Date Report Requested: 09/15/2018

Time Report Requested: 13:26:05

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	21 ± 0.9	17 ± 3.5	28 ± 5.5	27 ± 2.5	29 ± 0.3
10.0	16 ± 1.9	13 ± 1.2			
33.0	17 ± 2.3	15 ± 2.7	25 ± 4.4	29 ± 3.1	27 ± 1.5
100.0	21 ± 4.3	12 ± 1.2	25 ± 3.1	24 ± 4.5	22 ± 0.7
333.0	15 ± 1.3	15 ± 2.0	23 ± 0.9	28 ± 1.7	23 ± 2.9
900.0		11 ± 3.5 <sup>s</sup>			
1000.0	10 ± 0.7 <sup>s</sup>		20 ± 3.0	24 ± 1.5	31 ± 2.4
3000.0				Toxic	
3333.0			12 ± 0.0 <sup>s</sup>		29 ± 3.8 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1114 ± 104.1
Positive Control <sup>3</sup>			490 ± 18.4	1275 ± 75.0	
Positive Control <sup>6</sup>	1344 ± 55.2	1479 ± 46.2			



Experiment Number: 811284

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Piperonal acetone

CAS Number: 3160-37-0

Date Report Requested: 09/15/2018

Time Report Requested: 13:26:05

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	22 ± 0.3
10.0	
33.0	24 ± 1.2
100.0	27 ± 0.9
333.0	25 ± 0.6
900.0	
1000.0	29 ± 0.3
3000.0	
3333.0	25 ± 1.2 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	808 ± 32.6
Positive Control <sup>3</sup>	
Positive Control <sup>6</sup>	

Experiment Number: 811284

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

**G06: Ames Summary Data**

Test Compound: **Piperonal acetone**

CAS Number: **3160-37-0**

Date Report Requested: **09/15/2018**

Time Report Requested: **13:26:05**

### **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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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