

Experiment Number: 318579

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 4-Butyloxybenzal-4'-ethylaniline

CAS Number: 29743-15-5

Date Report Requested: 09/12/2018

Time Report Requested: 09:39:21

**NTP Study Number:**

318579

**Study Result:**

Weakly Positive

Experiment Number: 318579

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 4-Butyloxybenzal-4'-ethylaniline

CAS Number: 29743-15-5

Date Report Requested: 09/12/2018

Time Report Requested: 09:39:21

## Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	95 ± 10.1	148 ± 3.2	96 ± 3.7	152 ± 4.9	145 ± 8.3
0.3	78 ± 8.4				
1.0	85 ± 3.1				
3.3	70 ± 7.0 <sup>S</sup>				
10.0	66 ± 7.9 <sup>S</sup>		105 ± 0.6		
33.0	61 ± 2.4 <sup>S</sup>		109 ± 2.4		
100.0		157 ± 9.0	140 ± 0.9	193 ± 5.5	191 ± 5.0
333.0		162 ± 3.8	125 ± 6.0	266 ± 2.5	243 ± 7.3
1000.0		139 ± 8.4	112 ± 2.5	257 ± 11.3	253 ± 11.0
3333.0		135 ± 1.5		199 ± 5.4	221 ± 12.9 <sup>P</sup>
10000.0		130 ± 4.9 <sup>P</sup>		209 ± 7.8 <sup>P</sup>	231 ± 7.1 <sup>P</sup>
Trial Summary	Negative	Negative	Equivocal	Weakly Positive	Weakly Positive
Positive Control <sup>2</sup>			495 ± 8.8		
Positive Control <sup>3</sup>	448 ± 30.8				
Positive Control <sup>4</sup>				429 ± 9.6	374 ± 27.2
Positive Control <sup>5</sup>		748 ± 14.7			

Experiment Number: 318579

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 4-Butyloxybenzal-4'-ethylaniline

CAS Number: 29743-15-5

Date Report Requested: 09/12/2018

Time Report Requested: 09:39:21

---

**Strain: TA100**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	103 ± 5.2
0.3	
1.0	
3.3	
10.0	103 ± 8.6
33.0	122 ± 3.8
100.0	165 ± 4.5
333.0	244 ± 6.4
1000.0	226 ± 5.9
3333.0	
10000.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	513 ± 13.8
Positive Control <sup>5</sup>	

Experiment Number: 318579

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 4-Butyloxybenzal-4'-ethylaniline

CAS Number: 29743-15-5

Date Report Requested: 09/12/2018

Time Report Requested: 09:39:21

## Strain: TA1535

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	37 ± 6.6	22 ± 2.9	24 ± 2.5	17 ± 2.1	21 ± 0.9
0.3	23 ± 1.8				
1.0	26 ± 1.2				
3.3	28 ± 4.7				
10.0	28 ± 0.7		19 ± 1.7		20 ± 2.8
33.0	25 ± 2.8		18 ± 1.2		21 ± 2.3
100.0		28 ± 4.2	23 ± 1.2	22 ± 1.5	32 ± 2.4
333.0		21 ± 3.7	21 ± 1.9	28 ± 3.3	32 ± 0.9
1000.0		21 ± 3.2	28 ± 2.7	31 ± 1.5	24 ± 2.4
3333.0		17 ± 3.5 <sup>P</sup>		24 ± 1.0 <sup>P</sup>	
10000.0		19 ± 4.3 <sup>P</sup>		19 ± 2.3 <sup>P</sup>	
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control <sup>2</sup>			73 ± 9.0		
Positive Control <sup>3</sup>	303 ± 7.4				
Positive Control <sup>4</sup>				100 ± 3.2	127 ± 18.9
Positive Control <sup>5</sup>		168 ± 3.2			

Experiment Number: 318579

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 4-Butyloxybenzal-4'-ethylaniline

CAS Number: 29743-15-5

Date Report Requested: 09/12/2018

Time Report Requested: 09:39:21

## Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	6 ± 0.6	8 ± 1.5	11 ± 0.6
0.3	7 ± 1.2		
1.0	6 ± 0.9		
3.3	7 ± 1.8		
10.0	10 ± 2.2		
33.0	7 ± 1.7		
100.0		8 ± 2.1	12 ± 0.3
333.0		9 ± 0.6	12 ± 0.9
1000.0		8 ± 0.9	10 ± 1.8
3333.0		4 ± 0.3 <sup>P</sup>	6 ± 3.5 <sup>P</sup>
10000.0		8 ± 0.7 <sup>P</sup>	4 ± 0.6 <sup>P</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>6</sup>		66 ± 0.3	113 ± 12.8
Positive Control <sup>7</sup>	71 ± 2.9		

Experiment Number: 318579

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 4-Butyloxybenzal-4'-ethylaniline

CAS Number: 29743-15-5

Date Report Requested: 09/12/2018

Time Report Requested: 09:39:21

## Strain: TA97

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	89 ± 5.5	198 ± 1.5	164 ± 15.9	124 ± 3.2
0.3	86 ± 1.0			
1.0	111 ± 6.6			
3.3	93 ± 3.1			
10.0	80 ± 3.7 <sup>s</sup>			115 ± 7.7
33.0	69 ± 4.9 <sup>s</sup>			133 ± 2.0
100.0		169 ± 12.9	178 ± 12.6	169 ± 5.8
200.0				228 ± 6.7
333.0		155 ± 9.7	172 ± 10.4	232 ± 20.3
1000.0		114 ± 4.6 <sup>s</sup>	175 ± 7.3 <sup>s</sup>	198 ± 9.0
3333.0		99 ± 6.1 <sup>s</sup>	145 ± 13.0 <sup>s</sup>	
10000.0		70 ± 13.1 <sup>s</sup>	114 ± 14.2 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Weakly Positive
Positive Control <sup>6</sup>		495 ± 43.9	634 ± 33.9	636 ± 11.9
Positive Control <sup>8</sup>	207 ± 20.0			

Experiment Number: 318579  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: 4-Butyloxybenzal-4'-ethylaniline  
CAS Number: 29743-15-5

Date Report Requested: 09/12/2018  
Time Report Requested: 09:39:21

Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	24 ± 1.0	38 ± 4.3	45 ± 0.9
0.3	22 ± 0.9		
1.0	22 ± 2.6		
3.3	22 ± 2.4		
10.0	22 ± 2.1		
33.0	20 ± 2.2		
100.0		43 ± 1.2	51 ± 5.0
333.0		42 ± 3.8	58 ± 3.3
1000.0		49 ± 2.1	53 ± 2.3
3333.0		43 ± 3.8	47 ± 5.0
10000.0		35 ± 5.2 <sup>p</sup>	42 ± 2.8 <sup>p</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			129 ± 7.5
Positive Control <sup>4</sup>		174 ± 3.6	
Positive Control <sup>9</sup>	196 ± 9.0		

Experiment Number: 318579

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 4-Butyloxybenzal-4'-ethylaniline

CAS Number: 29743-15-5

Date Report Requested: 09/12/2018

Time Report Requested: 09:39:21

**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: 95% Ethanol

2: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.0 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 2-Aminoanthracene

7: 4.0 ug/Plate 9-Aminoacridine

8: 8.0 ug/Plate 9-Aminoacridine

9: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

s: Slight Toxicity

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