

Experiment Number: 749479

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2',4',5'-Trihydroxybutyrophenone

CAS Number: 1421-63-2

Date Report Requested: 09/17/2018

Time Report Requested: 10:41:14

**NTP Study Number:**

749479

**Study Result:**

Positive

Experiment Number: 749479

**G06: Ames Summary Data**

Date Report Requested: 09/17/2018

Test Type: Genetic Toxicology - Bacterial  
MutagenicityTest Compound: 2',4',5'-Trihydroxybutyrophenone  
CAS Number: 1421-63-2

Time Report Requested: 10:41:14

**Strain: TA100**

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	89 ± 18.0	151 ± 2.8	147 ± 9.2	145 ± 6.2	182 ± 22.9
33.0	76 ± 17.6	275 ± 4.7		241 ± 4.3	
100.0	81 ± 15.5	298 ± 9.2		278 ± 4.9	
167.0			334 ± 17.9		354 ± 23.8
333.0	1 ± 0.3	481 ± 5.5	395 ± 37.9	396 ± 20.8	446 ± 31.3
667.0			345 ± 30.1		323 ± 38.2
1000.0	1 ± 0.6	313 ± 23.3	326 ± 14.0	226 ± 5.2	292 ± 6.0
1667.0			216 ± 10.0		151 ± 82.5
3333.0	1 ± 0.6	1 ± 0.6		48 ± 15.9	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>		1816 ± 24.6	1292 ± 64.1	1408 ± 118.7	1218 ± 24.0
Positive Control <sup>3</sup>	421 ± 35.6				

Experiment Number: 749479

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2',4',5'-Trihydroxybutyrophenone  
CAS Number: 1421-63-2

Date Report Requested: 09/17/2018

Time Report Requested: 10:41:14

**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	6 ± 1.5	6 ± 1.5	5 ± 1.3
33.0	5 ± 1.0	11 ± 1.2	6 ± 0.9
100.0	3 ± 0.7	7 ± 2.2	8 ± 0.9
333.0	4 ± 0.9	11 ± 1.5	8 ± 1.2
1000.0	0 ± 0.0	12 ± 2.3	5 ± 1.0
3333.0	0 ± 0.0	Toxic	2 ± 0.5
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		44 ± 5.7	48 ± 2.6
Positive Control <sup>3</sup>	142 ± 11.9		

Experiment Number: 749479

**G06: Ames Summary Data**

Date Report Requested: 09/17/2018

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

Test Compound: 2',4',5'-Trihydroxybutyrophenone

Time Report Requested: 10:41:14

CAS Number: 1421-63-2

**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	3 ± 0.5	6 ± 1.7	4 ± 1.2	5 ± 1.5	7 ± 1.2
33.0	4 ± 1.5	8 ± 0.3	6 ± 1.9	9 ± 0.0	7 ± 1.7
67.0			7 ± 1.2		9 ± 3.2
100.0	Toxic	8 ± 1.2	5 ± 1.5	6 ± 2.0	8 ± 2.0
167.0			11 ± 3.2		10 ± 1.5
333.0	Toxic	15 ± 2.0	18 ± 0.9	14 ± 0.3	16 ± 2.8
1000.0	0 ± 0.0	Toxic		5 ± 1.5	
3333.0	0 ± 0.0	Toxic		0 ± 0.0	
Trial Summary	Negative	Equivocal	Equivocal	Equivocal	Equivocal
Positive Control <sup>2</sup>		76 ± 3.5	208 ± 47.7	120 ± 2.6	235 ± 33.3
Positive Control <sup>4</sup>	897 ± 130.6				

Experiment Number: 749479

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2',4',5'-Trihydroxybutyrophenone  
CAS Number: 1421-63-2

Date Report Requested: 09/17/2018

Time Report Requested: 10:41:14

## Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 1.8	19 ± 0.3	39 ± 4.6	23 ± 1.2	44 ± 2.2
33.0	10 ± 2.3	35 ± 1.5		33 ± 1.5	
100.0	13 ± 0.6	40 ± 0.9		43 ± 0.6	
167.0			69 ± 8.7		89 ± 10.8
333.0	8 ± 0.0	63 ± 1.2	65 ± 9.0	75 ± 2.5	100 ± 8.7
667.0			71 ± 5.6		116 ± 5.7
1000.0	18 ± 2.0	53 ± 1.2	71 ± 8.4	57 ± 2.6	121 ± 3.3
1667.0			41 ± 6.5		Toxic
3333.0	0 ± 0.0	21 ± 21.0		35 ± 20.2	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>		1168 ± 26.2	1491 ± 12.8	1386 ± 150.9	1233 ± 40.2
Positive Control <sup>5</sup>	234 ± 17.5				

Experiment Number: 749479

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2',4',5'-Trihydroxybutyrophenone

CAS Number: 1421-63-2

Date Report Requested: 09/17/2018

Time Report Requested: 10:41:14

**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 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

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