

Experiment Number: 065277

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Hydroxybenzamide

CAS Number: 65-45-2

Date Report Requested: 09/10/2018

Time Report Requested: 18:11:06

**NTP Study Number:**

065277

**Study Result:**

Negative

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## G06: Ames Summary Data

Test Compound: 2-Hydroxybenzamide

CAS Number: 65-45-2

Date Report Requested: 09/10/2018

Time Report Requested: 18:11:06

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	118 ± 4.7	110 ± 9.2	117 ± 4.6	106 ± 4.0	108 ± 3.6
100.0	123 ± 2.2	106 ± 4.1	109 ± 0.6	108 ± 3.3	107 ± 8.2
333.0	107 ± 11.2	93 ± 7.0	115 ± 3.8	120 ± 6.4	106 ± 2.2
1000.0	104 ± 0.7	84 ± 6.0	107 ± 2.9	90 ± 4.3	127 ± 12.7
3334.0	63 ± 3.2	59 ± 7.3	79 ± 2.1	78 ± 4.0	86 ± 3.2
6667.0	3 ± 0.3 <sup>s</sup>	1 ± 1.0 <sup>s</sup>	12 ± 4.2 <sup>s</sup>	15 ± 4.3 <sup>s</sup>	9 ± 0.6 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					315 ± 10.8
Positive Control <sup>3</sup>	514 ± 18.2	461 ± 23.5			
Positive Control <sup>4</sup>			1193 ± 47.8		
Positive Control <sup>5</sup>					
Positive Control <sup>6</sup>				874 ± 16.8	

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	118 ± 12.7
100.0	117 ± 2.7
333.0	126 ± 11.4
1000.0	110 ± 7.2
3334.0	87 ± 1.5
6667.0	14 ± 7.0
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	746 ± 49.4
Positive Control <sup>6</sup>	

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## G06: Ames Summary Data

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	22 ± 5.3	19 ± 2.0	15 ± 2.1	14 ± 0.6	13 ± 0.7
100.0	19 ± 4.0	17 ± 1.2	13 ± 4.3	12 ± 1.9	13 ± 0.6
333.0	20 ± 3.2	20 ± 0.7	12 ± 1.7	13 ± 1.3	12 ± 2.7
1000.0	22 ± 3.5	17 ± 2.5	10 ± 2.1	10 ± 0.9	11 ± 2.9
3334.0	7 ± 1.2	7 ± 2.5	7 ± 1.7	8 ± 2.1	10 ± 2.3
6667.0	0 ± 0.0 <sup>s</sup>	0 ± 0.3	2 ± 1.2	3 ± 0.9	3 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					66 ± 4.2
Positive Control <sup>3</sup>		313 ± 9.0			
Positive Control <sup>5</sup>					
Positive Control <sup>7</sup>	830 ± 35.9				
Positive Control <sup>6</sup>			294 ± 7.6	339 ± 7.3	

Experiment Number: 065277

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**G06: Ames Summary Data**

Test Compound: 2-Hydroxybenzamide

CAS Number: 65-45-2

Date Report Requested: 09/10/2018

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	13 ± 0.9
100.0	11 ± 0.9
333.0	12 ± 3.8
1000.0	11 ± 1.7
3334.0	6 ± 1.5
6667.0	2 ± 1.0
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	182 ± 10.6
Positive Control <sup>7</sup>	
Positive Control <sup>6</sup>	

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## G06: Ames Summary Data

Test Compound: 2-Hydroxybenzamide

CAS Number: 65-45-2

Date Report Requested: 09/10/2018

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## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	127 ± 14.2	128 ± 11.9	161 ± 2.8	179 ± 3.7	136 ± 14.6
100.0	112 ± 8.4	124 ± 4.3	160 ± 2.9	164 ± 6.2	151 ± 6.7
333.0	100 ± 2.0	121 ± 2.8	152 ± 2.5	170 ± 4.4	121 ± 17.8
1000.0	102 ± 5.8	100 ± 4.2	153 ± 2.1	150 ± 5.2	122 ± 18.0
3334.0	38 ± 0.9	51 ± 1.0	105 ± 1.5	115 ± 6.2	101 ± 2.3
6667.0	0 ± 0.0 <sup>s</sup>	0 ± 0.0 <sup>s</sup>	4 ± 1.8 <sup>s</sup>	0 ± 0.0 <sup>s</sup>	0 ± 0.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>8</sup>	945 ± 14.2	545 ± 17.5			
Positive Control <sup>4</sup>					785 ± 10.8
Positive Control <sup>6</sup>			2668 ± 145.6		
Positive Control <sup>9</sup>				1453 ± 37.5	

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**G06: Ames Summary Data**

Test Compound: 2-Hydroxybenzamide

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	127 ± 2.7
100.0	145 ± 3.4
333.0	109 ± 13.2
1000.0	118 ± 2.5
3334.0	84 ± 3.8
6667.0	0 ± 0.0 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>8</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>6</sup>	
Positive Control <sup>9</sup>	1414 ± 26.5

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## G06: Ames Summary Data

Test Compound: 2-Hydroxybenzamide

CAS Number: 65-45-2

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Time Report Requested: 18:11:06

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	20 ± 1.3	19 ± 0.7	33 ± 0.9	23 ± 4.6	31 ± 4.1
100.0	21 ± 0.9	15 ± 1.8	33 ± 2.3	25 ± 3.1	31 ± 3.2
333.0	18 ± 0.7	21 ± 1.7	28 ± 1.8	26 ± 1.5	34 ± 1.5
1000.0	17 ± 2.3	12 ± 2.0	26 ± 5.8	24 ± 1.3	34 ± 4.9
3334.0	10 ± 2.0	9 ± 1.2	25 ± 3.5	18 ± 1.0	33 ± 3.2
6667.0	0 ± 0.0 <sup>s</sup>	0 ± 0.0 <sup>s</sup>	7 ± 1.5	3 ± 1.2 <sup>s</sup>	3 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			145 ± 12.9		179 ± 14.7
Positive Control <sup>10</sup>	342 ± 15.0	331 ± 20.1			
Positive Control <sup>5</sup>				349 ± 7.9	



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**G06: Ames Summary Data**

Test Compound: 2-Hydroxybenzamide

CAS Number: 65-45-2

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	31 ± 0.9
100.0	41 ± 6.5
333.0	43 ± 4.5
1000.0	34 ± 3.1
3334.0	34 ± 3.5
6667.0	1 ± 0.7 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	515 ± 25.6
Positive Control <sup>10</sup>	
Positive Control <sup>5</sup>	

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 1.0 ug/Plate Sodium Azide

8: 0.05 ug/Plate Solvent

9: 2.5 ug/Plate 2-Aminoanthracene

10: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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