

Experiment Number: **687083**

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

**G06: Ames Summary Data**

Test Compound: **n-Cyclohexyl-4-methylbenzenesulfonamide**

CAS Number: **80-30-8**

Date Report Requested: **09/13/2018**

Time Report Requested: **01:49:50**

**NTP Study Number:**

687083

**Study Result:**

Negative

Experiment Number: 687083

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

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Test Compound: n-Cyclohexyl-4-methylbenzenesulfonamide  
CAS Number: 80-30-8

Date Report Requested: 09/13/2018

Time Report Requested: 01:49:50

## 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>	122 ± 4.5	113 ± 1.9	130 ± 2.3	140 ± 6.8	157 ± 10.3
3.0		108 ± 10.7			
10.0		107 ± 9.2	133 ± 8.5		
33.0	131 ± 7.3	111 ± 1.2	139 ± 8.4	146 ± 13.5	121 ± 4.4
100.0	123 ± 1.3	128 ± 0.9	137 ± 13.7	138 ± 5.5	125 ± 8.4
166.0		108 ± 9.6			
333.0	84 ± 8.4		116 ± 3.2	114 ± 6.2	130 ± 12.8
1000.0	46 ± 5.7 <sup>s</sup>		85 ± 6.0 <sup>s</sup>	62 ± 5.1	117 ± 13.2
1666.0	57 ± 11.4 <sup>s</sup>			55 ± 9.9 <sup>s</sup>	
3333.0					57 ± 2.4 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					971 ± 52.8
Positive Control <sup>3</sup>	281 ± 8.0	231 ± 10.1			
Positive Control <sup>4</sup>			694 ± 45.7		
Positive Control <sup>5</sup>				413 ± 6.8	

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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>	140 ± 14.2
3.0	
10.0	
33.0	147 ± 6.0
100.0	155 ± 3.8
166.0	
333.0	127 ± 11.2
1000.0	107 ± 4.7
1666.0	
3333.0	93 ± 22.4 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	397 ± 9.8
Positive Control <sup>5</sup>	

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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>	26 ± 2.4	30 ± 3.3	16 ± 4.3	20 ± 3.8	11 ± 2.0
3.0		24 ± 0.6			
10.0	32 ± 2.1	30 ± 3.0	20 ± 12.1	15 ± 0.9	
33.0	27 ± 3.0	22 ± 2.3	10 ± 2.3	16 ± 0.6	11 ± 2.1
100.0	26 ± 1.2	25 ± 5.8	11 ± 2.3	14 ± 1.2	11 ± 1.7
166.0		16 ± 1.5			
333.0	10 ± 1.5 <sup>s</sup>		10 ± 0.6	18 ± 2.9	8 ± 0.9
1000.0	6 ± 2.0 <sup>s</sup>		9 ± 0.3	10 ± 1.2	5 ± 1.2
3333.0					11 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>					335 ± 22.5
Positive Control <sup>3</sup>	424 ± 11.8	415 ± 10.9			
Positive Control <sup>6</sup>			224 ± 25.6		
Positive Control <sup>7</sup>				124 ± 1.2	

Experiment Number: 687083

Test Type: Genetic Toxicology - Bacterial  
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**G06: Ames Summary Data**

Test Compound: n-Cyclohexyl-4-methylbenzenesulfonamide  
CAS Number: 80-30-8

Date Report Requested: 09/13/2018

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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>	14 ± 2.3
3.0	
10.0	
33.0	10 ± 1.0
100.0	16 ± 2.2
166.0	
333.0	10 ± 2.0
1000.0	9 ± 1.5
3333.0	8 ± 2.3
Trial Summary	Negative
Positive Control <sup>4</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>6</sup>	251 ± 14.3
Positive Control <sup>7</sup>	

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**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	5 ± 1.3	10 ± 1.2	14 ± 4.7
10.0	6 ± 0.6	14 ± 1.5	
33.0	7 ± 0.9	9 ± 1.0	8 ± 1.0
100.0	8 ± 2.5	8 ± 0.7	9 ± 0.9
333.0	0 ± 0.0 <sup>5</sup>	12 ± 2.2	8 ± 1.7
1000.0	1 ± 0.7 <sup>5</sup>	5 ± 2.3	7 ± 1.5
3333.0			4 ± 1.5
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>			91 ± 28.2
Positive Control <sup>6</sup>		23 ± 1.8	
Positive Control <sup>8</sup>	245 ± 31.2		

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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>	128 ± 8.1	138 ± 2.1	203 ± 7.8	160 ± 7.1	184 ± 4.2
3.0		127 ± 5.5			
10.0	133 ± 15.1	151 ± 6.6	194 ± 14.7	171 ± 9.0	
33.0	130 ± 15.2	146 ± 3.4	212 ± 7.2	182 ± 1.5	195 ± 3.5
100.0	140 ± 10.2	139 ± 5.7	200 ± 5.9	196 ± 9.0	187 ± 6.4
166.0		105 ± 2.9 <sup>s</sup>			
333.0	81 ± 1.9 <sup>s</sup>		181 ± 8.6	177 ± 17.0	157 ± 8.5
1000.0	49 ± 6.4 <sup>s</sup>		50 ± 3.5	105 ± 1.9	148 ± 7.1
3333.0					52 ± 0.9 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					570 ± 44.9
Positive Control <sup>4</sup>			403 ± 23.3		
Positive Control <sup>6</sup>				442 ± 12.5	
Positive Control <sup>8</sup>	893 ± 70.9	723 ± 24.4			

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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>	132 ± 7.5
3.0	
10.0	
33.0	172 ± 14.3
100.0	169 ± 11.4
166.0	
333.0	172 ± 8.4
1000.0	139 ± 9.0
3333.0	82 ± 30.3
Trial Summary	Equivocal
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	426 ± 33.7
Positive Control <sup>6</sup>	
Positive Control <sup>8</sup>	



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## 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>	23 ± 3.0	16 ± 2.8	18 ± 0.9	22 ± 3.2	36 ± 7.5
10.0		15 ± 1.7	23 ± 3.5		
33.0	14 ± 1.5	13 ± 3.2	21 ± 3.2	25 ± 3.5	29 ± 1.3
100.0	18 ± 1.5	17 ± 2.7	26 ± 1.0	19 ± 0.6	25 ± 4.3
333.0	13 ± 0.7	13 ± 1.7 <sup>s</sup>	23 ± 2.4	22 ± 3.5	24 ± 2.3
666.0		9 ± 3.0 <sup>s</sup>			
1000.0	11 ± 1.8 <sup>s</sup>		21 ± 2.8	15 ± 1.5	22 ± 1.2
1666.0	27 ± 8.6 <sup>s</sup>			13 ± 3.0	
3333.0					21 ± 4.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					699 ± 15.0
Positive Control <sup>4</sup>			467 ± 38.4	95 ± 9.9	
Positive Control <sup>9</sup>	406 ± 1.5	627 ± 21.7			

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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>	35 ± 3.0
10.0	
33.0	31 ± 3.5
100.0	33 ± 2.6
333.0	28 ± 0.9
666.0	
1000.0	26 ± 2.1
1666.0	
3333.0	19 ± 5.9 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	238 ± 18.7
Positive Control <sup>9</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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 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: 5.0 ug/Plate 2-Aminoanthracene

8: 50.0 ug/Plate 9-Aminoacridine

9: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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