

Experiment Number: 177077

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: o-Chlorobenzotrifluoride

CAS Number: 88-16-4

Date Report Requested: 09/13/2018

Time Report Requested: 18:02:01

NTP Study Number:

177077

Study Result:

Negative

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Test Compound: o-Chlorobenzotrifluoride

CAS Number: 88-16-4

Date Report Requested: 09/13/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	138 ± 5.5	140 ± 6.6	129 ± 10.3	179 ± 4.9	143 ± 4.2
3.0	155 ± 4.3	134 ± 17.0			
10.0	148 ± 5.5	141 ± 1.0			
33.0	150 ± 3.3	130 ± 10.0	118 ± 7.5		132 ± 5.0
100.0	134 ± 8.4	96 ± 2.1	126 ± 13.5	177 ± 9.2	113 ± 3.8
166.0		104 ± 9.9 ^s			
333.0	84 ± 15.7 ^s		110 ± 4.8	168 ± 4.4	117 ± 8.3
1000.0			97 ± 10.6	158 ± 10.2	116 ± 4.1
3333.0			108 ± 3.7 ^s	135 ± 14.5 ^s	121 ± 5.6 ^s
10000.0				69 ± 20.3 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					848 ± 26.5
Positive Control ³			500 ± 10.1		
Positive Control ⁴	441 ± 8.7	555 ± 7.2			
Positive Control ⁵				570 ± 25.8	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	152 ± 13.9
3.0	
10.0	
33.0	
100.0	169 ± 8.1
166.0	
333.0	168 ± 7.2
1000.0	166 ± 10.5
3333.0	132 ± 10.2
10000.0	141 ± 18.5 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	720 ± 25.2
Positive Control ⁴	
Positive Control ⁵	

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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 ¹	30 ± 1.5	23 ± 2.1	10 ± 1.2	14 ± 1.2	16 ± 1.8
3.0	36 ± 3.0	22 ± 3.5			
10.0	33 ± 3.7	21 ± 3.2			
33.0	25 ± 1.3	22 ± 1.0			
100.0	30 ± 0.9	10 ± 1.5	11 ± 2.9	16 ± 3.0	10 ± 2.3
166.0		8 ± 2.0 ^s			
333.0	7 ± 0.7 ^s		10 ± 1.2	15 ± 3.0	9 ± 1.5
1000.0			6 ± 1.7	15 ± 1.3	9 ± 1.2
3333.0			8 ± 2.5	9 ± 1.9	7 ± 0.9 ^s
10000.0			9 ± 1.3 ^s	14 ± 0.6	4 ± 2.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					287 ± 12.7
Positive Control ⁴	305 ± 2.3	369 ± 17.0			
Positive Control ⁵			153 ± 6.2		
Positive Control ⁶				158 ± 22.8	

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Test Compound: o-Chlorobenzotrifluoride

CAS Number: 88-16-4

Date Report Requested: 09/13/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 1.7
3.0	
10.0	
33.0	
100.0	16 ± 3.1
166.0	
333.0	13 ± 0.9
1000.0	9 ± 1.5
3333.0	15 ± 3.3
10000.0	17 ± 1.3
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	360 ± 9.4
Positive Control ⁶	

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Test Compound: o-Chlorobenzotrifluoride

CAS Number: 88-16-4

Date Report Requested: 09/13/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	12 ± 1.7	11 ± 2.3	14 ± 1.5
3.0	8 ± 2.9		
10.0	11 ± 2.0		
33.0	10 ± 0.3		
100.0	14 ± 1.9	12 ± 3.5	11 ± 0.9
333.0	10 ± 0.7 ^s	13 ± 0.3	10 ± 0.9
1000.0		10 ± 2.3	16 ± 2.4
3333.0		12 ± 1.7	13 ± 2.0
10000.0		8 ± 0.9	9 ± 1.2
Trial Summary	Negative	Negative	Negative
Positive Control ³			48 ± 4.8
Positive Control ⁵		49 ± 1.2	
Positive Control ⁷	149 ± 6.3		

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Test Compound: o-Chlorobenzotrifluoride

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Date Report Requested: 09/13/2018

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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 ¹	152 ± 7.3	156 ± 7.5	173 ± 11.9	198 ± 7.4	170 ± 10.8
3.0	164 ± 14.5	160 ± 7.7			
10.0	172 ± 6.9	175 ± 5.0			
33.0	168 ± 10.2	164 ± 5.0			
100.0	164 ± 12.9	149 ± 6.5	185 ± 3.5	207 ± 3.7	167 ± 10.9
166.0		100 ± 5.5 ^s			
333.0	156 ± 17.7		181 ± 6.7	196 ± 11.0	174 ± 7.5
1000.0			159 ± 10.6	193 ± 10.7	142 ± 1.9
3333.0			158 ± 10.9	198 ± 6.0	147 ± 5.9
10000.0			108 ± 16.1 ^s	194 ± 5.9	131 ± 3.6 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					701 ± 6.1
Positive Control ³			446 ± 15.6		
Positive Control ⁵				540 ± 28.4	
Positive Control ⁷	677 ± 15.2	835 ± 17.9			

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Test Compound: o-Chlorobenzotrifluoride

CAS Number: 88-16-4

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	199 ± 17.9
3.0	
10.0	
33.0	
100.0	185 ± 20.8
166.0	
333.0	214 ± 8.0
1000.0	180 ± 3.4
3333.0	196 ± 9.2
10000.0	209 ± 0.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	510 ± 25.4
Positive Control ⁵	
Positive Control ⁷	

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G06: Ames Summary Data

Test Compound: o-Chlorobenzotrifluoride

CAS Number: 88-16-4

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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 ¹	17 ± 1.2	20 ± 2.1	30 ± 0.9	48 ± 2.9	28 ± 0.6
3.0	17 ± 1.8	22 ± 2.7			
10.0	12 ± 2.5	21 ± 2.7			
33.0	15 ± 1.2	15 ± 2.6	28 ± 2.6		26 ± 3.2
100.0	12 ± 1.5	13 ± 2.4	31 ± 4.1	31 ± 3.2	29 ± 4.3
166.0		10 ± 1.2 ^s			
333.0	12 ± 2.0 ^s		28 ± 2.3	32 ± 4.3	26 ± 0.6
1000.0			22 ± 3.1	21 ± 2.5	31 ± 3.6
3333.0			29 ± 5.9	16 ± 0.9	23 ± 5.7
10000.0				6 ± 3.2 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					817 ± 56.8
Positive Control ³			470 ± 18.6	143 ± 2.8	
Positive Control ⁸	468 ± 16.5	585 ± 14.0			

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Date Report Requested: 09/13/2018

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	24 ± 0.9
3.0	
10.0	
33.0	
100.0	22 ± 3.5
166.0	
333.0	24 ± 1.2
1000.0	22 ± 2.7
3333.0	19 ± 1.2
10000.0	3 ± 2.1 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	393 ± 30.2
Positive Control ⁸	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****