

Experiment Number: 247021

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: bis(2-Chloro-1-methylethyl) ether

CAS Number: 108-60-1

Date Report Requested: 09/10/2018

Time Report Requested: 20:13:54

NTP Study Number:

247021

Study Result:

Positive

Experiment Number: 247021

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: bis(2-Chloro-1-methylethyl) ether
CAS Number: 108-60-1

Date Report Requested: 09/10/2018

Time Report Requested: 20:13:54

Strain: TA100

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	108 ± 2.6	140 ± 12.9	126 ± 4.5	123 ± 6.2	144 ± 7.8
33.0	131 ± 5.0			139 ± 1.5	
100.0	119 ± 4.4			144 ± 3.3	
166.0					
333.0	96 ± 3.8	133 ± 10.4	136 ± 14.1	142 ± 3.3	155 ± 11.3
666.0					
1000.0	86 ± 5.0	149 ± 0.9	155 ± 4.7	153 ± 7.1	161 ± 7.2
1666.0	49 ± 24.7 ^s	151 ± 13.5	169 ± 5.7		178 ± 7.1
3333.0		159 ± 3.5	199 ± 3.8	176 ± 5.8	208 ± 12.3
6666.0		174 ± 5.8	132 ± 8.7		186 ± 7.1
10000.0		171 ± 17.0	159 ± 11.9		185 ± 4.7
Trial Summary	Negative	Negative	Weakly Positive	Equivocal	Equivocal
Positive Control ²	329 ± 9.5				
Positive Control ³		730 ± 42.9	526 ± 15.3		
Positive Control ⁴				486 ± 38.8	611 ± 21.4

Experiment Number: 247021

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: bis(2-Chloro-1-methylethyl) ether
CAS Number: 108-60-1

Date Report Requested: 09/10/2018

Time Report Requested: 20:13:54

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	138 ± 5.0	144 ± 11.7	150 ± 10.3
33.0		171 ± 6.9	187 ± 5.8
100.0	217 ± 15.5	223 ± 13.2	240 ± 2.3
166.0		263 ± 3.2	315 ± 19.0
333.0	387 ± 14.9	413 ± 7.8	441 ± 48.5
666.0		452 ± 5.3	379 ± 28.6
1000.0	194 ± 27.8	307 ± 21.3	
1666.0			
3333.0	0 ± 0.0 ^s		
6666.0			
10000.0	0 ± 0.0 ^s		
Trial Summary	Equivocal	Positive	Positive
Positive Control ²			
Positive Control ³	693 ± 49.0	601 ± 48.2	450 ± 1.0
Positive Control ⁴			

Experiment Number: 247021

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: bis(2-Chloro-1-methylethyl) ether
CAS Number: 108-60-1

Date Report Requested: 09/10/2018

Time Report Requested: 20:13:54

Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	19 ± 2.0	40 ± 3.7	24 ± 7.0
33.0	19 ± 1.2	34 ± 2.5	18 ± 3.3
100.0	17 ± 0.3	39 ± 4.1	30 ± 1.3
333.0	22 ± 3.5	32 ± 1.2	16 ± 1.3
1000.0	12 ± 3.2	25 ± 3.3	11 ± 1.5
1666.0	15 ± 1.0 ^s		6 ± 0.3
3333.0		17 ± 1.8	
Trial Summary	Negative	Negative	Negative
Positive Control ³		161 ± 7.2	488 ± 23.8
Positive Control ⁵	517 ± 24.0		

Experiment Number: 247021

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

G06: Ames Summary Data

Test Compound: **bis(2-Chloro-1-methylethyl) ether**

CAS Number: **108-60-1**

Date Report Requested: **09/10/2018**

Time Report Requested: **20:13:54**

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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****