

Experiment Number: 891894

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: 09/16/2018

Time Report Requested: 22:23:24

**NTP Study Number:**

891894

**Study Result:**

Positive

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Mutagenicity

## G06: Ames Summary Data

Test Compound: bis(2-Chloro-1-methylethyl) ether  
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Strain: TA100				
Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	94 ± 6.0	122 ± 8.1	120 ± 8.0	147 ± 3.1
33.0	99 ± 6.6	117 ± 6.2	133 ± 6.6	139 ± 11.0
67.0				176 ± 4.7
100.0	105 ± 1.2	122 ± 6.3	177 ± 8.3	178 ± 13.9
333.0	106 ± 5.4	124 ± 6.4	293 ± 1.7	341 ± 16.5
667.0				429 ± 14.6
1000.0	87 ± 1.5 <sup>s</sup>	112 ± 9.5 <sup>s</sup>	299 ± 4.6 <sup>s</sup>	178 ± 26.0 <sup>s</sup>
2000.0	Toxic	Toxic	Toxic	
Trial Summary	Negative	Negative	Positive	Positive
Positive Control <sup>2</sup>	504 ± 7.9			
Positive Control <sup>3</sup>			751 ± 43.9	778 ± 7.4
Positive Control <sup>4</sup>		1215 ± 55.3		

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

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Time Report Requested: 22:23:24

**Strain: TA98**

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	18 ± 3.2	30 ± 0.9	30 ± 0.9
33.0	26 ± 0.9	30 ± 1.7	32 ± 0.9
100.0	19 ± 1.2	33 ± 3.6	30 ± 2.6
333.0	23 ± 1.9	18 ± 1.7	28 ± 4.9
1000.0	14 ± 0.9 <sup>s</sup>	24 ± 0.7 <sup>s</sup>	18 ± 0.6 <sup>s</sup>
2000.0	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control <sup>5</sup>			419 ± 19.5
Positive Control <sup>3</sup>		256 ± 7.2	
Positive Control <sup>6</sup>	326 ± 8.1		

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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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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