

Experiment Number: 856126

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: **12:40:01**

**NTP Study Number:**

856126

**Study Result:**

Positive

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## 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: 12:40:01

## Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	113 ± 7.8	126 ± 2.3	117 ± 8.0	116 ± 13.4
10.0			114 ± 7.9	112 ± 2.6
33.0	108 ± 4.2			136 ± 8.4
100.0	103 ± 5.5	113 ± 5.8	167 ± 9.0	132 ± 5.2
166.0			190 ± 10.7	185 ± 13.0
333.0	98 ± 5.2	109 ± 3.8	208 ± 14.9	284 ± 12.7
666.0				289 ± 19.3
1000.0	80 ± 3.5 <sup>s</sup>	128 ± 20.1	202 ± 4.9	231 ± 14.9
3333.0	17 ± 16.5 <sup>s</sup>	110 ± 6.8		
6666.0		97 ± 4.9 <sup>s</sup>		
Trial Summary	Negative	Negative	Weakly Positive	Positive
Positive Control <sup>2</sup>			654 ± 45.6	701 ± 23.4
Positive Control <sup>3</sup>	402 ± 23.7			
Positive Control <sup>4</sup>		615 ± 41.0		

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	12 ± 3.5	13 ± 2.3
10.0	13 ± 2.1	
33.0	17 ± 0.9	14 ± 0.6
100.0	19 ± 3.5	20 ± 4.7
166.0	27 ± 4.2	30 ± 4.2
333.0	38 ± 4.9	35 ± 1.5
666.0	45 ± 4.4	61 ± 11.3
1000.0	33 ± 1.9	
Trial Summary	Positive	Positive
Positive Control <sup>4</sup>	381 ± 59.1	448 ± 63.4

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CAS Number: 108-60-1

**Strain: TA98**

<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>	26 ± 4.1	30 ± 1.0	31 ± 3.0
10.0			29 ± 7.0
33.0	22 ± 4.2		
100.0	21 ± 1.5	35 ± 2.3	26 ± 0.7
166.0			28 ± 0.9
333.0	21 ± 3.5	26 ± 1.0	23 ± 3.0
1000.0	18 ± 1.7 <sup>s</sup>	22 ± 4.7	16 ± 0.6
3333.0	14 ± 2.6 <sup>s</sup>	19 ± 2.7	
6666.0		15 ± 1.5 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		168 ± 7.3	367 ± 30.9
Positive Control <sup>5</sup>	495 ± 25.5		

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

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

s: Slight Toxicity

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