

Experiment Number: 425510

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 4-Methoxybenzilidine-4'-N-butylaniline (MBBA)

CAS Number: 26227-73-6

Date Report Requested: 09/15/2018

Time Report Requested: 06:03:37

**NTP Study Number:**

425510

**Study Result:**

Positive

Experiment Number: 425510

## G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: Genetic Toxicology - Bacterial  
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Test Compound: 4-Methoxybenzilidine-4'-N-butylaniline (MBBA)

Time Report Requested: 06:03:37

CAS Number: 26227-73-6

## Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	80 ± 4.1	82 ± 4.7	100 ± 4.0	117 ± 6.6	123 ± 5.9
3.3	86 ± 6.1		101 ± 6.8		123 ± 10.0
10.0	76 ± 5.9	108 ± 5.4	89 ± 3.6	194 ± 2.2	109 ± 4.7
33.0	62 ± 5.9 <sup>s</sup>	122 ± 6.0 <sup>s</sup>	110 ± 10.7	306 ± 21.5 <sup>s</sup>	135 ± 13.0
100.0	42 ± 4.6 <sup>s</sup>	101 ± 6.7 <sup>s</sup>	140 ± 13.2	421 ± 6.9 <sup>s</sup>	202 ± 6.8
333.0	42 ± 6.4 <sup>s</sup>	22 ± 2.9 <sup>s</sup>	181 ± 9.0 <sup>s</sup>	87 ± 16.4 <sup>s</sup>	338 ± 12.7 <sup>s</sup>
1000.0		0 ± 0.0 <sup>s</sup>		0 ± 0.0 <sup>s</sup>	
Trial Summary	Negative	Equivocal	Equivocal	Positive	Positive
Positive Control <sup>2</sup>				341 ± 4.2	
Positive Control <sup>3</sup>	289 ± 10.8				
Positive Control <sup>4</sup>					483 ± 18.4
Positive Control <sup>5</sup>		319 ± 14.6	261 ± 4.9		

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Test Compound: 4-Methoxybenzilidine-4'-N-butylaniline (MBBA)

Time Report Requested: 06:03:37

CAS Number: 26227-73-6

## Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 3.2	27 ± 6.5	26 ± 2.9	37 ± 3.1	31 ± 4.7
3.3			33 ± 1.9		34 ± 6.7
10.0			30 ± 1.2		33 ± 5.9
33.0			29 ± 0.6		34 ± 6.3
100.0	13 ± 3.1	43 ± 5.4	39 ± 2.6	53 ± 2.7	36 ± 4.6
333.0	14 ± 2.3	41 ± 1.2 <sup>s</sup>	54 ± 1.7	92 ± 9.2 <sup>s</sup>	54 ± 4.8 <sup>s</sup>
1000.0	20 ± 1.7 <sup>s</sup>	17 ± 3.0 <sup>s</sup>		55 ± 7.4 <sup>s</sup>	
3333.0	9 ± 1.8 <sup>s</sup>	4 ± 1.0 <sup>s</sup>		2 ± 0.6 <sup>s</sup>	
6666.0		0 ± 0.0 <sup>s</sup>		Toxic	
10000.0	1 ± 1.0 <sup>s</sup>				
Trial Summary	Negative	Equivocal	Equivocal	Weakly Positive	Equivocal
Positive Control <sup>2</sup>				107 ± 3.8	91 ± 3.2
Positive Control <sup>4</sup>		109 ± 11.7	75 ± 5.5		
Positive Control <sup>6</sup>	165 ± 7.1				

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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: 95% Ethanol

2: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.0 ug/Plate 2-Aminoanthracene

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

s: Slight Toxicity

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