

Experiment Number: 018221

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: (+)-2-Methylbutyl-4-methoxybenzyladine-4'-aminocyanate  
CAS Number: 24140-30-5

Date Report Requested: 09/14/2018

Time Report Requested: 07:15:37

**NTP Study Number:**

018221

**Study Result:**

Positive

Experiment Number: 018221

## G06: Ames Summary Data

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MutagenicityTest Compound: (+)-2-Methylbutyl-4-methoxybenzyladine-4'-aminocyanate  
CAS Number: 24140-30-5

Time Report Requested: 07:15:37

## 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>	84 ± 6.4	81 ± 3.7	98 ± 10.3	102 ± 1.7	94 ± 3.3
33.0	87 ± 5.9				
100.0	82 ± 7.0	139 ± 5.9	114 ± 5.1	193 ± 6.8	223 ± 14.1
333.0	79 ± 2.4	263 ± 32.9	183 ± 19.6	300 ± 6.2	308 ± 18.1
1000.0	44 ± 6.6	858 ± 22.3	531 ± 17.9	432 ± 11.8	356 ± 16.8
3333.0	6 ± 3.5 <sup>P</sup>	919 ± 9.3 <sup>P</sup>	605 ± 22.6	470 ± 26.0	492 ± 18.7
10000.0		889 ± 8.0 <sup>P</sup>	556 ± 40.7 <sup>P</sup>	412 ± 32.5 <sup>P</sup>	454 ± 17.2 <sup>P</sup>
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>	421 ± 28.0				
Positive Control <sup>3</sup>				398 ± 14.1	302 ± 7.2
Positive Control <sup>4</sup>		292 ± 3.9	228 ± 7.5		

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CAS Number: 24140-30-5

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## Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	13 ± 2.0	20 ± 2.1	15 ± 0.7	26 ± 3.6
33.0	11 ± 1.8			
100.0	12 ± 1.0	25 ± 0.7	22 ± 2.0	24 ± 1.5
333.0	11 ± 2.8	31 ± 1.9	21 ± 1.7	32 ± 4.1
1000.0	7 ± 3.2	49 ± 1.2	35 ± 1.2	34 ± 4.3
3333.0	0 ± 0.0 <sup>p</sup>	43 ± 5.1 <sup>p</sup>	30 ± 4.0	27 ± 3.5
10000.0		39 ± 1.2 <sup>p</sup>	19 ± 4.0 <sup>p</sup>	27 ± 4.1 <sup>p</sup>
Trial Summary	Negative	Positive	Weakly Positive	Negative
Positive Control <sup>5</sup>				82 ± 5.5
Positive Control <sup>3</sup>		101 ± 3.7	63 ± 2.2	
Positive Control <sup>6</sup>	162 ± 9.9			
Positive Control <sup>4</sup>				

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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

p: Precipitate

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