

Experiment Number: **G18021B**

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

G06: Ames Summary Data

Test Compound: **(Aminomethyl)phosphonic acid**

CAS Number: **1066-51-9**

Date Report Requested: **05/06/2021**

Time Report Requested: **15:55:26**

NTP Study Number:

G18021B

Study Result:

Negative

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Strain: TA100

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	88.3 ± 8.8	115.3 ± 13.9	95.7 ± 11.4	134 ± 6.4
200	107.3 ± 11.9	145 ± 6.4	92.3 ± 10.7	137.3 ± 6.1
500	85 ± 9.3	118 ± 2.9	82 ± 9.2	131.7 ± 2.9
1500	72 ± 5.3	155 ± 6.7	82.3 ± 10.0	130 ± 7.0
3000	71.3 ± 4.3	131 ± 9.9	84 ± 4.4	126.7 ± 7.7
6000	109.7 ± 4.1	129 ± 6.1	95 ± 8.4	152.7 ± 28.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	574.7 ± 45.0	552.3 ± 62.1		
Positive Control ³			838.3 ± 33.1	691.7 ± 19.5

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Strain: TA1535

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	10.3 ± 4.1	17 ± 0.6	13 ± 3.6	17.3 ± 2.3
200	16 ± 2.5	27 ± 3.6	12 ± 3.2	14 ± 1.2
500	15.3 ± 2.7	17.3 ± 1.3	19.3 ± 5.0	12.3 ± 2.6
1500	15.3 ± 5.4	20 ± 1.0	13.7 ± 3.2	14 ± 3.5
3000	12 ± 1.5	18.3 ± 1.5	12.3 ± 1.2	13 ± 3.1
6000	16.7 ± 4.3	14 ± 4.2	15.7 ± 2.0	19 ± 2.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	772.3 ± 66.9	448.3 ± 9.7		
Positive Control ⁴			255.3 ± 12.9	288 ± 23.5

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Strain: TA97a

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	88.3 ± 5.2	99.7 ± 14.8	156.3 ± 3.8	159.7 ± 6.1
200	85.3 ± 5.5	107 ± 2.6	131.7 ± 5.0	200 ± 4.5
500	98 ± 6.9	62.7 ± 10.0	144 ± 10.8	165 ± 2.9
1500	104 ± 11.4	79.7 ± 4.7	167 ± 2.5	154.7 ± 8.4
3000	97 ± 2.9	83 ± 10.7	134.3 ± 10.8	152 ± 1.2
6000	87 ± 6.7	61 ± 11.2	131.7 ± 7.7	198.7 ± 16.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵	3182.7 ± 96.3	2288.7 ± 117.0		
Positive Control ⁴			1875.3 ± 36.7	2229.7 ± 62.4

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Strain: TA98

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	36.7 ± 6.2	26.7 ± 2.3	39.7 ± 2.8	30.3 ± 1.2
200	35.3 ± 3.8	26.3 ± 2.7	34 ± 3.5	27.3 ± 0.9
500	32.3 ± 1.2	26.3 ± 1.8	36 ± 4.0	34.7 ± 3.8
1500	43 ± 3.5	29 ± 1.7	38.3 ± 4.5	22 ± 3.8
3000	33 ± 3.1	28.3 ± 2.2	38.7 ± 4.7	37.7 ± 5.5
6000	35.3 ± 1.9	27 ± 5.8	41.3 ± 1.5	32.7 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1918.7 ± 123.3	1849.7 ± 39.7
Positive Control ⁷	126.3 ± 18.5	726 ± 28.9		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	138 ± 12.7	98.7 ± 10.7	159 ± 11.7	105.7 ± 8.2
200	145 ± 8.1	99.3 ± 4.4	161.7 ± 12.5	114.7 ± 6.6
500	124.3 ± 4.5	84 ± 1.5	185.7 ± 6.4	109.3 ± 8.8
1500	118.3 ± 4.3	113.7 ± 7.3	164.7 ± 4.2	120.7 ± 9.7
3000	137.7 ± 7.2	101.7 ± 2.6	174.7 ± 9.6	120.3 ± 7.3
6000	128.7 ± 4.8	90.7 ± 6.1	172.3 ± 6.6	152 ± 12.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁸	2643.7 ± 223.8	2563.3 ± 77.1		
Positive Control ⁹			1231.7 ± 74.4	1118.7 ± 66.2

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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

The S9 fraction refers to the liver unless otherwise indicated

1: Vehicle Control: Water

2: 1 ug/plate Sodium Azide

3: 2 ug/plate Benzo[a]pyrene

4: 2.5 ug/plate 2-Aminoanthracene

5: 0.25 ug/plate ICR191

6: 2 ug/plate 2-Aminoanthracene

7: 3 ug/plate 2-Nitrofluorene

8: 0.25 ug/plate 4-Nitroquinoline-N-oxide

9: 20 ug/plate 2-Aminoanthracene

**** END OF REPORT ****