

Experiment Number: 465492

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2,4-bis(p-Aminobenzyl) aniline

CAS Number: 25834-80-4

Date Report Requested: 09/11/2018

Time Report Requested: 10:32:45

**NTP Study Number:**

465492

**Study Result:**

Positive

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## Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	102 ± 2.6	101 ± 2.2	113 ± 5.9	101 ± 1.8	113 ± 7.2
10.0			258 ± 7.0		268 ± 52.7
33.0			341 ± 14.8		493 ± 13.7
100.0	95 ± 3.1	195 ± 6.5	475 ± 62.1	352 ± 14.6	688 ± 12.3
333.0	101 ± 1.2 <sup>P</sup>	280 ± 12.5 <sup>P</sup>	568 ± 31.2 <sup>P</sup>	565 ± 9.5 <sup>P</sup>	865 ± 22.3 <sup>P</sup>
1000.0	97 ± 6.9 <sup>P</sup>	435 ± 11.7 <sup>P</sup>	661 ± 12.4 <sup>P</sup>	676 ± 54.6 <sup>P</sup>	907 ± 36.6 <sup>P</sup>
3333.0	99 ± 3.2 <sup>P</sup>	490 ± 20.6 <sup>P</sup>		630 ± 4.6 <sup>P</sup>	
10000.0	99 ± 3.2 <sup>P</sup>	326 ± 64.1 <sup>P</sup>		366 ± 3.0 <sup>P</sup>	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>		582 ± 6.1	484 ± 11.3	1845 ± 39.9	1723 ± 53.7
Positive Control <sup>3</sup>	432 ± 19.4				

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**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	18 ± 1.8	10 ± 0.6	9 ± 1.0
100.0	17 ± 0.9	9 ± 0.9	9 ± 2.7
333.0	20 ± 0.0 <sup>P</sup>	9 ± 1.0 <sup>P</sup>	7 ± 1.2 <sup>P</sup>
1000.0	25 ± 0.6 <sup>P</sup>	12 ± 1.0 <sup>P</sup>	10 ± 2.6 <sup>P</sup>
3333.0	22 ± 2.3 <sup>P</sup>	11 ± 1.9 <sup>P</sup>	9 ± 1.8 <sup>P</sup>
10000.0	14 ± 2.9 <sup>P</sup>	7 ± 1.7 <sup>P</sup>	8 ± 0.0 <sup>P</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>	367 ± 14.7		
Positive Control <sup>4</sup>		224 ± 1.5	342 ± 19.1

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	11 ± 1.8	12 ± 1.5
10.0	11 ± 1.7	14 ± 0.3
33.0	14 ± 0.9	16 ± 5.8
100.0	28 ± 1.2	20 ± 4.4
333.0	33 ± 1.8 <sup>p</sup>	35 ± 3.4 <sup>p</sup>
1000.0	52 ± 3.2 <sup>p</sup>	115 ± 9.4 <sup>p</sup>
Trial Summary	Positive	Positive
Positive Control <sup>4</sup>	106 ± 2.2	304 ± 18.7

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**Strain: TA97**

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	104 ± 5.8	149 ± 10.1	118 ± 5.5	144 ± 3.2
10.0			206 ± 13.3	
33.0			272 ± 29.5	
100.0	104 ± 6.2	188 ± 11.7	331 ± 37.8	233 ± 11.5
333.0	101 ± 8.2 <sup>P</sup>	219 ± 6.4 <sup>P</sup>	362 ± 24.7 <sup>P</sup>	309 ± 5.5 <sup>P</sup>
1000.0	110 ± 8.8 <sup>P</sup>	299 ± 4.3 <sup>P</sup>	371 ± 18.8 <sup>P</sup>	376 ± 0.7 <sup>P</sup>
3333.0	89 ± 6.6 <sup>P</sup>	296 ± 5.5 <sup>P</sup>		384 ± 16.3 <sup>P</sup>
10000.0	108 ± 7.2 <sup>P</sup>	253 ± 11.8 <sup>P</sup>		266 ± 18.1 <sup>P</sup>
Trial Summary	Negative	Positive	Positive	Positive
Positive Control <sup>4</sup>		1007 ± 8.4	1852 ± 2.8	1504 ± 52.2
Positive Control <sup>5</sup>	1317 ± 53.4			

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## Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	14 ± 2.6	25 ± 3.8	26 ± 3.9	25 ± 3.8	28 ± 1.5
10.0			42 ± 3.3		69 ± 2.3
33.0			65 ± 12.7		96 ± 7.2
100.0	13 ± 1.7	49 ± 0.3	147 ± 26.2	64 ± 4.0	129 ± 3.2
333.0	16 ± 1.8 <sup>P</sup>	77 ± 2.6 <sup>P</sup>	190 ± 22.3 <sup>P</sup>	112 ± 5.7 <sup>P</sup>	265 ± 23.8 <sup>P</sup>
1000.0	16 ± 2.0 <sup>P</sup>	165 ± 6.8 <sup>P</sup>	216 ± 28.9 <sup>P</sup>	172 ± 7.4 <sup>P</sup>	307 ± 14.1 <sup>P</sup>
3333.0	14 ± 2.0 <sup>P</sup>	204 ± 11.1 <sup>P</sup>		245 ± 4.7 <sup>P</sup>	
10000.0	13 ± 4.3 <sup>P</sup>	318 ± 29.7 <sup>P</sup>		405 ± 27.7 <sup>P</sup>	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>		361 ± 6.9	269 ± 9.2	1287 ± 61.2	1000 ± 14.2
Positive Control <sup>6</sup>	1008 ± 7.2				

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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: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

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