

Experiment Number: 799083

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Biphenylamine hydrochloride

CAS Number: 2185-92-4

Date Report Requested: 09/15/2018

Time Report Requested: 08:25:41

NTP Study Number:

799083

Study Result:

Positive

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CAS Number: 2185-92-4

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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 ¹	132 ± 12.3	110 ± 1.2	148 ± 7.2	114 ± 13.0	129 ± 4.4
3.0	144 ± 11.7		128 ± 11.4		
10.0	145 ± 4.4	166 ± 9.1	149 ± 21.4		
33.0	132 ± 3.1	156 ± 16.9	230 ± 5.5	104 ± 5.9	139 ± 12.1
100.0	130 ± 5.9	306 ± 18.5	339 ± 7.3	139 ± 6.9	159 ± 4.5
166.0			376 ± 5.9	165 ± 27.0	188 ± 7.8
333.0	7 ± 1.0 ^s	334 ± 7.2		252 ± 10.4	272 ± 6.8
666.0				274 ± 7.8	309 ± 7.1
1000.0		16 ± 13.1 ^s			
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				848 ± 38.7	763 ± 26.1
Positive Control ³		543 ± 1.5	401 ± 8.4		
Positive Control ⁴	516 ± 27.1				

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 4.8	10 ± 0.9	13 ± 3.5
3.0	17 ± 0.9		
10.0	14 ± 2.8	10 ± 0.3	10 ± 3.2
33.0	19 ± 2.9	8 ± 1.2	11 ± 1.7
100.0	20 ± 5.6	12 ± 1.2	6 ± 0.3
333.0	4 ± 4.0 ^s	12 ± 0.9	8 ± 0.6
1000.0		5 ± 1.9 ^s	2 ± 2.3 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ³			262 ± 12.6
Positive Control ⁴	500 ± 7.6		
Positive Control ⁵		257 ± 6.4	

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Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	158 ± 7.1	176 ± 13.4	165 ± 13.0
3.0	175 ± 2.5		
10.0	163 ± 7.1	183 ± 8.4	187 ± 4.3
33.0	179 ± 13.5	202 ± 2.8	185 ± 3.6
100.0	160 ± 9.6	184 ± 9.3	189 ± 3.2
333.0	38 ± 26.5 ^s	143 ± 11.3	205 ± 3.6
1000.0		0 ± 0.0 ^s	12 ± 12.0 ^s
Trial Summary	Negative	Negative	Equivocal
Positive Control ²			418 ± 29.5
Positive Control ³		348 ± 15.3	
Positive Control ⁶	739 ± 22.8		

Experiment Number: 799083

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: 2-Biphenylamine hydrochloride

CAS Number: 2185-92-4

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 0.3	35 ± 1.3	26 ± 1.2
3.0	20 ± 1.7		
10.0	19 ± 2.9	31 ± 3.8	31 ± 2.9
33.0	13 ± 2.3	29 ± 2.1	33 ± 1.5
100.0	17 ± 3.5	32 ± 5.2	28 ± 1.2
333.0	7 ± 4.3 ^s	32 ± 4.7	35 ± 2.2
1000.0		0 ± 0.0 ^s	11 ± 10.7 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²			560 ± 30.5
Positive Control ³		439 ± 33.0	
Positive Control ⁷	551 ± 21.7		

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Mutagenicity**

G06: Ames Summary Data

Test Compound: **2-Biphenylamine hydrochloride**

CAS Number: **2185-92-4**

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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

1: Vehicle Control: Dimethyl Sulfoxide

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****