

Experiment Number: 152606

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Biphenylamine

CAS Number: 90-41-5

Date Report Requested: 09/12/2018

Time Report Requested: 15:18:41

NTP Study Number: 152606

Study Result: Positive

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Test Compound: 2-Biphenylamine

CAS Number: 90-41-5

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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 ¹	88 ± 3.5	87 ± 10.0	81 ± 4.4	89 ± 7.1	92 ± 0.6
3.3	87 ± 1.0	101 ± 1.2		100 ± 7.4	
10.0	86 ± 0.7	103 ± 6.1	107 ± 8.4	87 ± 7.9	109 ± 8.8
33.0	96 ± 3.8	116 ± 3.4	110 ± 7.6	161 ± 7.4	167 ± 4.9
100.0	93 ± 6.7	227 ± 5.3	251 ± 1.8	279 ± 11.7	299 ± 13.3
200.0	66 ± 3.3 ^s		508 ± 9.5 ^s		448 ± 9.5 ^s
333.0		938 ± 25.4 ^s	549 ± 9.0 ^s	552 ± 17.8 ^s	26 ± 20.3 ^s
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²	385 ± 2.4				
Positive Control ³				700 ± 63.2	2271 ± 51.8
Positive Control ⁴		480 ± 37.2	483 ± 8.9		

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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 ¹	16 ± 1.8	25 ± 1.0	29 ± 4.1	43 ± 4.4	28 ± 0.9
3.3	15 ± 2.8	29 ± 0.9		31 ± 1.0	
10.0	18 ± 4.8	28 ± 3.2	33 ± 1.9	39 ± 1.5	36 ± 0.3
33.0	13 ± 0.9	32 ± 2.4	37 ± 1.5	52 ± 2.6	56 ± 2.7
100.0	16 ± 1.2	56 ± 5.2	67 ± 2.8	94 ± 9.6	104 ± 5.5
200.0	7 ± 1.2 ^s		150 ± 4.2		125 ± 3.2 ^s
333.0		212 ± 3.5 ^s	208 ± 2.7 ^s	173 ± 12.4 ^s	112 ± 14.7 ^s
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ⁵				791 ± 73.9	696 ± 9.1
Positive Control ³		548 ± 122.9	123 ± 17.0		
Positive Control ⁶	388 ± 1.5				

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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 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

s: Slight Toxicity

**** END OF REPORT ****