

Experiment Number: 448716

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Biphenylamine

CAS Number: 90-41-5

Date Report Requested: 09/11/2018

Time Report Requested: 03:21:00

NTP Study Number:

448716

Study Result:

Positive

Experiment Number: 448716

G06: Ames Summary Data

Date Report Requested: 09/11/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: 2-Biphenylamine

Time Report Requested: 03:21:00

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	108 ± 0.3	105 ± 2.7	151 ± 5.3	104 ± 11.1	151 ± 3.3
3.3	96 ± 4.7				
10.0	103 ± 5.3	147 ± 7.3	193 ± 7.4	123 ± 8.0	183 ± 2.4
33.0	114 ± 3.8	176 ± 5.5	223 ± 17.4	167 ± 5.3	183 ± 6.4
100.0	116 ± 6.9	318 ± 10.7	380 ± 7.5	228 ± 17.5	222 ± 7.3
200.0	77 ± 2.6 ^s				
333.0		1110 ± 69.4 ^s	1044 ± 36.7 ^s	410 ± 65.8 ^s	372 ± 8.7 ^s
666.0		1253 ± 53.9 ^s	879 ± 116.0 ^s	226 ± 225.7 ^s	956 ± 17.2 ^s
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²	343 ± 15.2				
Positive Control ³				648 ± 44.3	738 ± 60.7
Positive Control ⁴		525 ± 3.8	698 ± 29.5		

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Test Compound: 2-Biphenylamine

CAS Number: 90-41-5

Date Report Requested: 09/11/2018

Time Report Requested: 03:21:00

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	13 ± 1.7	24 ± 3.3	21 ± 1.5	32 ± 3.7	22 ± 2.0
3.3	17 ± 1.0				
10.0	16 ± 2.3	38 ± 1.8	26 ± 2.3	26 ± 2.3	18 ± 4.4
33.0	17 ± 0.7	38 ± 0.7	33 ± 4.7	29 ± 0.7	25 ± 0.5
100.0	16 ± 2.1	68 ± 2.5	69 ± 7.0	64 ± 2.3	41 ± 5.0
200.0	13 ± 1.0 ^s				
333.0		243 ± 10.5 ^s	193 ± 13.2 ^s	123 ± 7.4 ^s	93 ± 0.7 ^s
666.0		216 ± 41.2 ^s	147 ± 46.1 ^s	169 ± 45.8 ^s	116 ± 32.6 ^s
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ⁵				121 ± 13.8	112 ± 8.6
Positive Control ³		143 ± 2.3	183 ± 10.5		
Positive Control ⁶	168 ± 12.9				

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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 ****