

Experiment Number: 291360

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: 21:00:48

NTP Study Number: 291360

Study Result: Positive

Experiment Number: 291360

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: 21:00:48

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	157 ± 11.5	156 ± 5.6	101 ± 11.8	156 ± 15.1	100 ± 9.8
3.3	112 ± 4.6	162 ± 11.5	135 ± 6.3	150 ± 6.0	104 ± 3.8
10.0	111 ± 2.9	172 ± 8.3	128 ± 3.3	145 ± 6.2	117 ± 6.1
33.0	121 ± 7.9	196 ± 12.7	198 ± 16.1	170 ± 17.6	125 ± 2.0
100.0	100 ± 6.8 ^s	370 ± 30.9	467 ± 41.9	243 ± 11.3	206 ± 10.0
200.0	71 ± 12.1 ^s	558 ± 25.9 ^s	703 ± 45.3 ^s	310 ± 11.4 ^s	327 ± 6.1
Trial Summary	Negative	Positive	Positive	Weakly Positive	Positive
Positive Control ²				425 ± 14.7	515 ± 12.2
Positive Control ³	339 ± 13.9				
Positive Control ⁴		445 ± 19.9	364 ± 13.9		

Experiment Number: 291360
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: 21:00:48

Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 1.2	10 ± 3.8	9 ± 1.5
3.3	14 ± 3.2	5 ± 1.2	8 ± 1.5
10.0	13 ± 1.5	6 ± 1.5	7 ± 1.9
33.0	17 ± 3.6	10 ± 1.5	8 ± 1.5
100.0	10 ± 0.3 ^s	15 ± 3.5	8 ± 0.9
200.0	4 ± 3.8 ^s	12 ± 0.9 ^s	6 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²			39 ± 5.8
Positive Control ³	111 ± 12.3		
Positive Control ⁵		126 ± 12.5	

Experiment Number: 291360

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: 21:00:48

Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	93 ± 3.5	152 ± 9.2	167 ± 4.1	241 ± 20.5	130 ± 0.7
3.3	98 ± 2.1	205 ± 14.4	301 ± 40.3	274 ± 13.7	153 ± 4.6
10.0	94 ± 9.4	178 ± 8.0	291 ± 30.5	252 ± 17.7	202 ± 7.1
33.0	92 ± 7.3	224 ± 12.3	215 ± 15.9	255 ± 23.7	182 ± 4.0
100.0	107 ± 11.7	262 ± 22.2	283 ± 24.1	277 ± 14.0	232 ± 13.0
200.0	86 ± 5.6 ^s	285 ± 11.8 ^s	371 ± 18.0 ^s	239 ± 7.9 ^s	152 ± 15.6 ^s
Trial Summary	Negative	Weakly Positive	Weakly Positive	Negative	Equivocal
Positive Control ⁴				799 ± 6.0	521 ± 16.7
Positive Control ⁵		809 ± 22.6	893 ± 27.7		
Positive Control ⁶	168 ± 9.7				

Experiment Number: 291360

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: 21:00:48

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 ¹	12 ± 1.5	21 ± 1.5	26 ± 4.4	25 ± 2.1	24 ± 4.4
3.3	14 ± 2.6	23 ± 3.5	23 ± 1.0	22 ± 2.5	27 ± 1.3
10.0	14 ± 0.6	24 ± 4.4	41 ± 7.3	18 ± 0.6	25 ± 5.6
33.0	17 ± 1.2	34 ± 3.5	40 ± 1.3	32 ± 3.5	28 ± 2.4
100.0	16 ± 2.4	78 ± 5.7	82 ± 2.3	63 ± 5.5	58 ± 4.5
200.0	13 ± 1.0 ^s	148 ± 9.3 ^s	132 ± 11.4 ^s	81 ± 8.0 ^s	80 ± 0.6
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ⁷				133 ± 5.5	245 ± 19.6
Positive Control ²		139 ± 8.1	152 ± 9.0		
Positive Control ⁸	113 ± 4.3				

Experiment Number: 291360
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: 21:00:48

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: 0.4 ug/Plate 2-Aminoanthracene
- 3: 0.5 ug/Plate Sodium Azide
- 4: 0.75 ug/Plate 2-Aminoanthracene
- 5: 2.0 ug/Plate 2-Aminoanthracene
- 6: 4.0 ug/Plate 9-Aminoacridine
- 7: 0.2 ug/Plate 2-Aminoanthracene
- 8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

** END OF REPORT **