

Experiment Number: A90466

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2',4,4'-Tetrabromodiphenyl Ether (BDE-47)

CAS Number: 5436-43-1

Date Report Requested: 09/18/2018

Time Report Requested: 10:56:12

NTP Study Number:

A90466

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	169 ± 14.7	149 ± 6.9
100.0	186 ± 10.3	118 ± 8.4
333.0	172 ± 11.7	116 ± 6.6
1000.0	209 ± 11.3 ^P	130 ± 1.0 ^P
3333.0	202 ± 8.1 ^P	121 ± 4.7 ^P
10000.0	146 ± 7.6 ^P	121 ± 10.1 ^P
Trial Summary	Negative	Negative
Positive Control ²	589 ± 19.1	
Positive Control ³		700 ± 47.9

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	18 ± 0.5	22 ± 3.4
100.0	14 ± 2.0	23 ± 1.8
333.0	18 ± 0.9	19 ± 0.6
1000.0	13 ± 0.7 ^P	15 ± 0.9 ^P
3333.0	11 ± 1.2 ^P	14 ± 2.3 ^P
10000.0	10 ± 2.1 ^P	18 ± 0.6 ^P
Trial Summary	Negative	Negative
Positive Control ⁴		273 ± 12.7
Positive Control ⁵	124 ± 8.7	

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Strain: TA102

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9
Vehicle Control ¹	223 ± 8.7	262 ± 5.8	285 ± 17.7
100.0	136 ± 68.2 ^s	225 ± 5.0	276 ± 9.0
333.0	71 ± 71.3 ^s	248 ± 3.5	273 ± 12.5
1000.0	216 ± 11.8 ^p	264 ± 3.1 ^p	303 ± 5.5 ^p
3333.0	213 ± 6.4 ^p	268 ± 4.7 ^p	287 ± 1.5 ^p
10000.0	171 ± 22.4 ^p	258 ± 6.0 ^p	276 ± 5.6 ^p
Trial Summary	Negative	Negative	Negative
Positive Control ⁶			1346 ± 70.6
Positive Control ⁷	1405 ± 66.3	1053 ± 7.4	

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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: Acetone

2: 0.5 ug/Plate Sodium Azide

3: 0.75 ug/Plate 2-Aminoanthracene

4: 0.4 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

6: 10.0 ug/Plate Sterigmatocystin

7: 75.0 ug/Plate Other Positive Control

p: Precipitate

s: Slight Toxicity

**** END OF REPORT ****