

Experiment Number: 246341

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

CAS Number: 147-47-7

Date Report Requested: 09/10/2018

Time Report Requested: 20:06:45

NTP Study Number:

246341

Study Result:

Negative

Experiment Number: 246341

G06: Ames Summary Data

Date Report Requested: 09/10/2018

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **1,2-Dihydro-2,2,4-trimethylquinoline (monomer)**

Time Report Requested: 20:06:45

CAS Number: 147-47-7

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	180 ± 8.5	146 ± 5.8	155 ± 9.7	117 ± 6.5	137 ± 6.9
1.0	165 ± 5.8	144 ± 2.6			
3.3	156 ± 6.7	133 ± 5.5	152 ± 5.2	108 ± 5.5	145 ± 10.8
10.0	147 ± 4.6	161 ± 0.6	131 ± 1.7	96 ± 5.8	152 ± 8.1
33.0	165 ± 6.1	158 ± 3.2	144 ± 5.8	109 ± 6.3	147 ± 5.3
100.0	164 ± 11.2 ^s	Toxic	145 ± 3.4	98 ± 5.0	149 ± 10.5
220.0				Toxic	
333.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1070 ± 32.9
Positive Control ³			1466 ± 39.8	1657 ± 33.1	
Positive Control ⁴	1619 ± 82.0	1389 ± 67.7			

Experiment Number: 246341

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 09/10/2018

Time Report Requested: 20:06:45

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	90 ± 3.1
1.0	
3.3	92 ± 2.6
10.0	86 ± 2.1
33.0	90 ± 6.6
100.0	116 ± 6.2
220.0	Toxic
333.0	
Trial Summary	Negative
Positive Control ²	1711 ± 29.1
Positive Control ³	
Positive Control ⁴	

Experiment Number: 246341

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 09/10/2018

Time Report Requested: 20:06:45

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 2.3	43 ± 5.3	10 ± 1.2	10 ± 0.7	8 ± 1.2
1.0	17 ± 1.7	36 ± 2.6			
3.3	15 ± 3.1	39 ± 5.5	10 ± 0.7	11 ± 2.3	11 ± 1.5
10.0	16 ± 1.0	46 ± 1.2	10 ± 2.2	10 ± 2.3	12 ± 1.5
33.0	16 ± 1.0	60 ± 11.5	12 ± 0.6	9 ± 1.7	11 ± 2.0
100.0	15 ± 0.7 ^s	Toxic	9 ± 1.8	10 ± 1.3	9 ± 1.0
220.0				Toxic	
333.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					78 ± 8.2
Positive Control ³			83 ± 5.0	159 ± 12.6	
Positive Control ⁴	1432 ± 50.4	1551 ± 20.7			

Experiment Number: 246341

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 09/10/2018

Time Report Requested: 20:06:45

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 0.7
1.0	
3.3	9 ± 0.7
10.0	9 ± 2.2
33.0	10 ± 2.6
100.0	10 ± 2.2
220.0	Toxic
333.0	
Trial Summary	Negative
Positive Control ²	140 ± 14.3
Positive Control ³	
Positive Control ⁴	

Experiment Number: 246341

G06: Ames Summary Data

Date Report Requested: 09/10/2018

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **1,2-Dihydro-2,2,4-trimethylquinoline (monomer)**

Time Report Requested: 20:06:45

CAS Number: 147-47-7

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.2	10 ± 2.7	9 ± 1.9	8 ± 0.0	7 ± 0.3
1.0	6 ± 1.5	13 ± 2.4			
3.3	5 ± 0.3	11 ± 2.2	7 ± 3.3	10 ± 1.2	6 ± 2.6
10.0	8 ± 0.6	12 ± 0.9	5 ± 2.2	11 ± 3.2	10 ± 2.6
33.0	6 ± 1.0	9 ± 1.7	7 ± 1.9	10 ± 3.4	6 ± 1.2
100.0	2 ± 1.0 ^s	Toxic	7 ± 1.5	8 ± 1.2	8 ± 2.0
220.0				6 ± 0.5 ^s	
333.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					88 ± 9.7
Positive Control ³			119 ± 14.1	176 ± 7.8	
Positive Control ⁵	145 ± 20.0	512 ± 96.3			

Experiment Number: 246341

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 09/10/2018

Time Report Requested: 20:06:45

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 0.9
1.0	
3.3	8 ± 0.9
10.0	14 ± 2.0
33.0	15 ± 1.9
100.0	12 ± 2.6
220.0	Toxic
333.0	
Trial Summary	Negative
Positive Control ²	137 ± 1.5
Positive Control ³	
Positive Control ⁵	

Experiment Number: 246341

G06: Ames Summary Data

Date Report Requested: 09/10/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

Time Report Requested: 20:06:45

CAS Number: 147-47-7

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 1.3	16 ± 2.6	27 ± 2.3	26 ± 1.7	33 ± 2.6
1.0	20 ± 3.1	17 ± 1.8			
3.3	21 ± 0.7	17 ± 1.2	26 ± 1.8	35 ± 4.1	35 ± 4.4
10.0	16 ± 3.3	21 ± 3.2	32 ± 2.7	34 ± 2.4	25 ± 2.2
33.0	18 ± 2.8	18 ± 2.6	31 ± 1.5	30 ± 3.5	34 ± 0.9
100.0	16 ± 3.2 ^s	16 ± 2.0 ^s	27 ± 4.9	32 ± 3.5	23 ± 2.9
220.0				Toxic	
333.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					703 ± 15.1
Positive Control ³			898 ± 82.2	1064 ± 35.2	
Positive Control ⁶	1595 ± 44.7	1568 ± 49.8			

Experiment Number: 246341

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 09/10/2018

Time Report Requested: 20:06:45

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	30 ± 2.2
1.0	
3.3	27 ± 1.5
10.0	28 ± 5.3
33.0	34 ± 6.0
100.0	24 ± 2.1
220.0	Toxic
333.0	
Trial Summary	Negative
Positive Control ²	1002 ± 11.3
Positive Control ³	
Positive Control ⁶	

Experiment Number: 246341

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

CAS Number: 147-47-7

Date Report Requested: 09/10/2018

Time Report Requested: 20:06:45

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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****