

Experiment Number: 599408

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3-((Methoxycarbonyl)amino)phenyl N-(3-methylphenyl)carbamate
(phenmedipham)

CAS Number: 13684-63-4

Date Report Requested: 09/14/2018

Time Report Requested: 18:59:46

NTP Study Number:

599408

Study Result:

Positive

Experiment Number: 599408

G06: Ames Summary Data

Date Report Requested: 09/14/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: 3-((Methoxycarbonyl)amino)phenyl N-(3-methylphenyl)carbamate
(phenmedipham)

Time Report Requested: 18:59:46

CAS Number: 13684-63-4

Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	117 ± 4.0	131 ± 6.9	121 ± 6.3
100.0	120 ± 2.3	144 ± 4.1	118 ± 6.6
333.0	109 ± 6.4	141 ± 16.9	143 ± 2.3
1000.0	97 ± 10.5	119 ± 5.7	144 ± 8.7
3333.0	38 ± 10.9 ^P	59 ± 7.8 ^P	85 ± 10.9 ^P
10000.0	74 ± 11.4 ^P	49 ± 13.0 ^P	93 ± 6.5 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ²	417 ± 10.4		
Positive Control ³			803 ± 17.3
Positive Control ⁴		1354 ± 50.2	

Experiment Number: 599408

G06: Ames Summary Data

Date Report Requested: 09/14/2018

Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: 3-((Methoxycarbonyl)amino)phenyl N-(3-methylphenyl)carbamate
(phenmedipham)

Time Report Requested: 18:59:46

CAS Number: 13684-63-4

Strain: TA1538

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	14 ± 1.0	24 ± 1.5	28 ± 2.4	28 ± 4.7	20 ± 0.7
100.0	13 ± 1.0	27 ± 5.5	35 ± 3.2	30 ± 3.5	26 ± 1.5
250.0			35 ± 1.8		54 ± 3.2
333.0	17 ± 1.2	37 ± 1.2	41 ± 3.0	60 ± 1.3	70 ± 10.0
500.0			24 ± 2.5		93 ± 3.5
1000.0	15 ± 3.3	29 ± 1.5	22 ± 1.7	50 ± 5.2	47 ± 7.3
3333.0	6 ± 2.1 ^P	23 ± 3.0 ^P		41 ± 4.2 ^P	
10000.0	15 ± 0.3 ^P	27 ± 2.3 ^P		30 ± 8.1 ^P	
Trial Summary	Negative	Negative	Negative	Equivocal	Positive
Positive Control ⁵			445 ± 7.6		
Positive Control ⁶				141 ± 4.5	1948 ± 36.2
Positive Control ³		199 ± 3.8			
Positive Control ⁷	1183 ± 21.7				

Experiment Number: 599408

G06: Ames Summary Data

Date Report Requested: 09/14/2018

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

Test Compound: **3-((Methoxycarbonyl)amino)phenyl N-(3-methylphenyl)carbamate (phenmedipham)**

Time Report Requested: 18:59:46

CAS Number: 13684-63-4

Strain: TA1538

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 4.4
100.0	26 ± 1.2
250.0	53 ± 3.4
333.0	71 ± 7.4
500.0	107 ± 7.8
1000.0	63 ± 3.7
3333.0	
10000.0	
Trial Summary	Positive
Positive Control ⁵	
Positive Control ⁶	58 ± 2.9
Positive Control ³	
Positive Control ⁷	

Experiment Number: 599408

G06: Ames Summary Data

Date Report Requested: 09/14/2018

Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: 3-((Methoxycarbonyl)amino)phenyl N-(3-methylphenyl)carbamate
(phenmedipham)

Time Report Requested: 18:59:46

CAS Number: 13684-63-4

Strain: TA97

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	122 ± 14.5	158 ± 6.9	158 ± 2.1
10.0	125 ± 5.0		
33.0	113 ± 2.0		
100.0	127 ± 5.8	126 ± 6.8	149 ± 9.6
250.0		153 ± 18.0	119 ± 18.7
333.0	88 ± 4.5 ^s	120 ± 5.2	152 ± 1.5
500.0		125 ± 7.4	126 ± 8.2
1000.0	73 ± 2.8 ^s	112 ± 13.3	109 ± 3.5
3333.0			
10000.0			
Trial Summary	Negative	Negative	Negative
Positive Control ⁸	933 ± 17.7		
Positive Control ⁹		1053 ± 106.5	1287 ± 57.2
Positive Control ¹⁰			

Experiment Number: 599408

G06: Ames Summary Data

Date Report Requested: 09/14/2018

Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: 3-((Methoxycarbonyl)amino)phenyl N-(3-methylphenyl)carbamate
(phenmedipham)

Time Report Requested: 18:59:46

CAS Number: 13684-63-4

Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	17 ± 0.9	37 ± 2.4	35 ± 5.5	28 ± 5.0	31 ± 5.0
100.0	22 ± 1.8	33 ± 3.2	48 ± 2.4	34 ± 4.3	35 ± 4.4
250.0				34 ± 0.9	
333.0	15 ± 2.0	34 ± 1.5	35 ± 3.0	36 ± 2.0	55 ± 5.3
500.0				34 ± 1.5	
1000.0	17 ± 1.2	28 ± 4.0	30 ± 7.8	23 ± 2.3	53 ± 3.2
3333.0	8 ± 1.5 ^p	15 ± 2.6 ^p	18 ± 1.5 ^p		22 ± 4.1 ^p
10000.0	15 ± 3.0 ^p	19 ± 5.6 ^p	21 ± 1.2 ^p		16 ± 5.0 ^p
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ⁵			300 ± 13.7	386 ± 12.9	
Positive Control ⁶					180 ± 6.4
Positive Control ³		503 ± 12.7			
Positive Control ⁷	367 ± 6.8				

Experiment Number: 599408

G06: Ames Summary Data

Date Report Requested: 09/14/2018

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

Test Compound: **3-((Methoxycarbonyl)amino)phenyl N-(3-methylphenyl)carbamate (phenmedipham)**

Time Report Requested: 18:59:46

CAS Number: 13684-63-4

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	32 ± 5.6	27 ± 5.8	34 ± 3.2
100.0	43 ± 2.4	30 ± 3.9	42 ± 1.7
250.0		54 ± 5.5	50 ± 3.0
333.0	57 ± 3.7	61 ± 3.5	53 ± 5.0
500.0		71 ± 5.8	68 ± 1.8
1000.0	53 ± 3.8	39 ± 5.0	46 ± 2.7
3333.0	25 ± 3.3		
10000.0	21 ± 2.6 ^p		
Trial Summary	Equivocal	Positive	Weakly Positive
Positive Control ⁵			
Positive Control ⁶	133 ± 7.4	62 ± 2.9	515 ± 17.2
Positive Control ³			
Positive Control ⁷			

Experiment Number: 599408

G06: Ames Summary Data

Date Report Requested: 09/14/2018

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

Test Compound: **3-((Methoxycarbonyl)amino)phenyl N-(3-methylphenyl)carbamate
(phenmedipham)**

Time Report Requested: 18:59:46

CAS Number: 13684-63-4

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: 0.2 ug/Plate 2-Aminoanthracene

6: 0.4 ug/Plate 2-Aminoanthracene

7: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

8: 0.05 ug/Plate Solvent

9: 2.5 ug/Plate 2-Aminoanthracene

10: 16.0 ug/Plate 9-Aminoacridine

p: Precipitate

s: Slight Toxicity

**** END OF REPORT ****