

Experiment Number: 716985

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

G06: Ames Summary Data

Test Compound: **Hexanamide**

CAS Number: **628-02-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **00:13:16**

NTP Study Number:

716985

Study Result:

Equivocal

Experiment Number: 716985

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Mutagenicity

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Test Compound: Hexanamide

CAS Number: 628-02-4

Date Report Requested: 09/12/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	128 ± 0.0	126 ± 7.5	149 ± 16.4	165 ± 9.7	148 ± 4.2
100.0	121 ± 7.1	120 ± 2.0	147 ± 5.9	166 ± 13.8	149 ± 7.7
333.0	115 ± 12.5	117 ± 4.3	146 ± 3.5	151 ± 7.9	153 ± 0.9
1000.0	110 ± 6.9	134 ± 6.1	134 ± 3.8	177 ± 1.5	134 ± 9.6
3333.0	104 ± 4.6	112 ± 3.7	134 ± 6.2	192 ± 19.1	145 ± 9.4
10000.0	120 ± 8.5	143 ± 14.1	131 ± 10.3	186 ± 2.3	123 ± 8.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			2023 ± 144.1	2463 ± 27.0	2179 ± 115.1
Positive Control ³	1016 ± 103.4	1129 ± 6.8			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	145 ± 4.5
100.0	156 ± 13.3
333.0	182 ± 12.0
1000.0	185 ± 14.8
3333.0	159 ± 6.7
10000.0	179 ± 13.0
Trial Summary	Negative
Positive Control ²	1136 ± 4.8
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 1.2	3 ± 1.3	23 ± 1.2	5 ± 0.9	21 ± 2.3
100.0	15 ± 1.5	2 ± 0.7	24 ± 1.5	3 ± 0.9	21 ± 1.2
333.0	10 ± 2.6	1 ± 0.7	24 ± 1.0	3 ± 0.3	20 ± 0.9
1000.0	10 ± 2.0	3 ± 0.7	21 ± 1.7	3 ± 0.0	19 ± 3.0
3333.0	14 ± 2.6	2 ± 0.3	18 ± 1.0	3 ± 0.6	15 ± 0.6
10000.0	10 ± 1.2	2 ± 1.0	13 ± 0.7	3 ± 1.0	14 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			229 ± 21.8	78 ± 3.2	185 ± 22.7
Positive Control ³	1037 ± 34.4	39 ± 2.1			

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Test Compound: Hexanamide
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Date Report Requested: 09/12/2018
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	3 ± 0.9
100.0	3 ± 0.9
333.0	4 ± 0.9
1000.0	2 ± 0.3
3333.0	2 ± 0.6
10000.0	2 ± 0.3
Trial Summary	Negative
Positive Control ⁴	88 ± 7.0
Positive Control ³	

Experiment Number: 716985

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: Hexanamide

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Date Report Requested: 09/12/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 3.0	5 ± 0.9	22 ± 2.7	5 ± 0.3	22 ± 3.3
100.0	6 ± 1.2	2 ± 0.9	20 ± 2.0	6 ± 0.9	19 ± 3.7
333.0	15 ± 0.5	1 ± 0.6	18 ± 3.3	6 ± 0.3	22 ± 3.0
1000.0	12 ± 2.1	1 ± 0.3	18 ± 0.9	7 ± 1.9	18 ± 0.9
3333.0	6 ± 3.2	2 ± 0.6	16 ± 1.5	5 ± 1.2	18 ± 2.6
10000.0	11 ± 4.3	2 ± 0.3	18 ± 2.3	2 ± 1.0	16 ± 5.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			282 ± 12.1	49 ± 3.5	272 ± 15.4
Positive Control ⁵	295 ± 27.4	186 ± 27.0			

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Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data
Test Compound: Hexanamide
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Date Report Requested: 09/12/2018
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.9
100.0	3 ± 0.9
333.0	3 ± 0.9
1000.0	7 ± 1.2
3333.0	3 ± 0.9
10000.0	3 ± 0.3
Trial Summary	Negative
Positive Control ⁴	88 ± 9.8
Positive Control ⁵	

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Hexanamide

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 1.5	34 ± 0.5	21 ± 3.6	49 ± 0.5	35 ± 3.0
100.0	17 ± 2.9	40 ± 5.5	42 ± 2.5	44 ± 2.0	39 ± 5.9
333.0	21 ± 2.9	46 ± 3.1	41 ± 2.6	46 ± 6.0	43 ± 3.5
1000.0	19 ± 0.7	48 ± 0.0	47 ± 7.8	66 ± 7.8	35 ± 1.0
3333.0	27 ± 4.3	56 ± 2.9	38 ± 6.4	80 ± 7.5	36 ± 2.2
10000.0	25 ± 3.5	44 ± 1.5	38 ± 3.1	80 ± 8.8	25 ± 2.2
Trial Summary	Negative	Equivocal	Equivocal	Equivocal	Negative
Positive Control ²			1612 ± 101.4	1496 ± 74.4	1805 ± 123.8
Positive Control ⁶	202 ± 14.2	286 ± 31.3			

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Date Report Requested: 09/12/2018
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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	45 ± 3.2
100.0	39 ± 5.4
333.0	34 ± 3.4
1000.0	37 ± 1.8
3333.0	49 ± 3.1
10000.0	44 ± 3.1
Trial Summary	Negative
Positive Control ²	1522 ± 205.3
Positive Control ⁶	

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****