

Experiment Number: A69509

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3-Oxobutanamide

CAS Number: 5977-14-0

Date Report Requested: 09/17/2018

Time Report Requested: 18:05:04

NTP Study Number:

A69509

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	78 ± 1.8	73 ± 2.4	77 ± 5.8	59 ± 6.0
1000.0	92 ± 8.3	87 ± 6.9	74 ± 5.2	73 ± 1.5
2500.0	85 ± 4.2	81 ± 8.9	91 ± 8.7	74 ± 2.2
5000.0	85 ± 3.8	71 ± 3.0	87 ± 5.2	68 ± 9.2
7500.0	69 ± 4.1	84 ± 9.1	73 ± 6.7	64 ± 5.7
10000.0	73 ± 7.2	73 ± 1.8	86 ± 9.3	62 ± 6.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	342 ± 40.2	327 ± 22.0		
Positive Control ³			736 ± 39.4	752 ± 46.9

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	18 ± 1.5	31 ± 3.5	28 ± 5.2	35 ± 3.8
1000.0	19 ± 4.4	49 ± 2.0	33 ± 2.1	56 ± 1.2
2500.0	16 ± 1.7	43 ± 2.1	36 ± 3.5	47 ± 7.6
5000.0	18 ± 1.8	45 ± 6.1	34 ± 6.2	44 ± 3.9
7500.0	16 ± 3.2	34 ± 2.0	35 ± 2.9	47 ± 2.3
10000.0	20 ± 3.7	38 ± 1.7	22 ± 0.7	45 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			462 ± 25.8	498 ± 38.6
Positive Control ⁴	582 ± 7.3	393 ± 30.1		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	177 ± 6.6	139 ± 8.1	228 ± 12.7	184 ± 19.9
1000.0	540 ± 61.6	429 ± 5.7	665 ± 21.7	774 ± 30.3
2500.0	533 ± 16.7	555 ± 1.3	677 ± 39.2	716 ± 27.3
5000.0	413 ± 103.2	447 ± 23.6	641 ± 17.0	708 ± 31.7
7500.0	514 ± 16.0	431 ± 10.1	569 ± 28.0	671 ± 40.5
10000.0	467 ± 23.7	460 ± 17.9	536 ± 26.2	638 ± 44.1
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ⁵			1124 ± 16.2	
Positive Control ⁶				1103 ± 37.0
Positive Control ⁷	1124 ± 16.2	1400 ± 6.1		

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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: Water
- 2: 1.0 ug/Plate Sodium Azide
- 3: 2.5 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate 2-Nitrofluorene
- 5: 20.0 ug/Plate Methyl Methane Sulfonate
- 6: 20.0 ug/Plate 2-Aminoanthracene
- 7: 4000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****