

Experiment Number: **G06064**

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

G06: Ames Summary Data

Test Compound: **4,7,10-Trioxatridecane-1,13-diamine**

CAS Number: **4246-51-9**

Date Report Requested: **09/15/2018**

Time Report Requested: **21:55:12**

NTP Study Number:

G06064

Study Result:

Negative

Experiment Number: G06064

G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: 4,7,10-Trioxatridecane-1,13-diamine

Time Report Requested: 21:55:12

CAS Number: 4246-51-9

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	100 ± 5.8	97 ± 6.6	91 ± 3.8	109 ± 5.8	83 ± 7.4
10.0	125 ± 3.3			116 ± 6.2	
12.5		109 ± 6.5			108 ± 7.3
50.0	118 ± 4.9	111 ± 6.7	103 ± 3.2	101 ± 4.7	92 ± 5.0
125.0		95 ± 13.5			92 ± 7.8
200.0	114 ± 4.3		89 ± 3.2	108 ± 5.2	
500.0	108 ± 5.1	105 ± 1.8	103 ± 10.5	90 ± 7.6	91 ± 7.0
1500.0		83 ± 5.0	71 ± 5.0		97 ± 4.2
2000.0	37 ± 14.9 ^s		66 ± 4.7	100 ± 1.3	
3000.0			64 ± 7.5		
6000.0	45 ± 8.8 ^s	53 ± 2.2 ^s	63 ± 8.7	83 ± 0.3	69 ± 2.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	558 ± 10.7	793 ± 12.7	691 ± 54.9		
Positive Control ³					1346 ± 198.3
Positive Control ⁴				411 ± 36.8	

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Test Compound: 4,7,10-Trioxatridecane-1,13-diamine

Time Report Requested: 21:55:12

CAS Number: 4246-51-9

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	27 ± 1.5	19 ± 1.2	18 ± 2.8	37 ± 3.3	31 ± 3.8
10.0	22 ± 2.6			30 ± 4.9	
12.5		21 ± 5.5			35 ± 4.8
50.0	16 ± 2.1	25 ± 4.6	25 ± 5.3	30 ± 2.3	40 ± 7.2
125.0		28 ± 0.3			35 ± 4.2
200.0	21 ± 8.2		22 ± 7.0	32 ± 6.7	
500.0	24 ± 1.5	27 ± 7.4	25 ± 3.9	36 ± 2.2	32 ± 2.4
1500.0		20 ± 2.2	22 ± 1.2		34 ± 0.7
2000.0	7 ± 1.9 ^s		16 ± 2.1	22 ± 1.2	
3000.0			13 ± 5.3		
6000.0	Toxic	20 ± 3.1	17 ± 1.5	27 ± 4.8	20 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁵				181 ± 24.9	1917 ± 105.5
Positive Control ⁶	382 ± 28.8	406 ± 12.4	659 ± 23.6		

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Test Compound: 4,7,10-Trioxatridecane-1,13-diamine

Time Report Requested: 21:55:12

CAS Number: 4246-51-9

Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	130 ± 12.5	148 ± 14.3	148 ± 5.6	151 ± 5.2	187 ± 6.2
10.0	136 ± 10.1			175 ± 5.0	
12.5		148 ± 4.5			176 ± 3.7
50.0	149 ± 7.6	161 ± 5.7	150 ± 11.7	176 ± 4.7	196 ± 9.3
125.0		148 ± 11.5			194 ± 18.6
200.0	132 ± 8.7		154 ± 8.6	179 ± 7.0	
500.0	143 ± 7.9	155 ± 3.9	153 ± 1.5	155 ± 0.6	182 ± 11.3
1500.0		157 ± 10.9	180 ± 16.9		204 ± 8.6
2000.0	98 ± 12.7		125 ± 26.9	176 ± 2.7	
3000.0			90 ± 4.7		
6000.0	75 ± 23.3 ^s	108 ± 2.4	48 ± 24.9 ^s	129 ± 5.5	155 ± 19.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁷				379 ± 36.4	
Positive Control ⁸					1590 ± 42.9
Positive Control ⁹	1064 ± 46.4	1095 ± 14.1	1321 ± 187.8		

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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: Distilled Water
- 2: 1.0 ug/Plate Sodium Azide
- 3: 2.5 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate 2-Aminoanthracene
- 5: 2.0 ug/Plate 2-Aminoanthracene
- 6: 3.0 ug/Plate 2-Nitrofluorene
- 7: 10.0 ug/Plate 2-Aminoanthracene
- 8: 20.0 ug/Plate 2-Aminoanthracene
- 9: 100.0 ug/Plate Methyl Methane Sulfonate
- s: Slight Toxicity

**** END OF REPORT ****