

Experiment Number: A74446

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

G06: Ames Summary Data

Test Compound: **Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride**

CAS Number: 479500-35-1

Date Report Requested: 09/17/2018

Time Report Requested: 19:06:33

NTP Study Number:

A74446

Study Result:

Negative

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G06: Ames Summary Data

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Time Report Requested: 19:06:33

CAS Number: 479500-35-1

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	100 ± 1.2	81 ± 6.7	117 ± 3.1	110 ± 9.8
1000.0	104 ± 4.9	96 ± 6.4	117 ± 5.0	125 ± 4.0
2500.0	104 ± 3.9	82 ± 6.7	121 ± 9.0	134 ± 13.0
5000.0	96 ± 2.6	67 ± 5.9	119 ± 6.1	108 ± 5.6
7500.0	113 ± 2.0	90 ± 9.6	122 ± 5.7	121 ± 8.8
10000.0	106 ± 4.3	104 ± 6.3	145 ± 21.9	142 ± 21.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	475 ± 10.5	491 ± 19.2		
Positive Control ³			1650 ± 25.5	1054 ± 14.6

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CAS Number: 479500-35-1

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	27 ± 3.5	22 ± 1.0	33 ± 0.6	23 ± 1.5
1000.0	29 ± 1.3	22 ± 2.8	41 ± 6.9	25 ± 0.9
2500.0	30 ± 2.1	18 ± 5.7	28 ± 3.5	15 ± 0.3
5000.0	25 ± 2.2	18 ± 3.5	36 ± 1.7	20 ± 1.9
7500.0	26 ± 1.0	20 ± 3.5	34 ± 0.9	21 ± 1.5
10000.0	25 ± 2.8	18 ± 3.2	28 ± 4.2	18 ± 2.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1447 ± 15.4	1666 ± 14.0
Positive Control ⁴	528 ± 63.5	640 ± 30.9		

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CAS Number: 479500-35-1

Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	182 ± 19.1	155 ± 3.9	261 ± 9.5	207 ± 12.7
1000.0	218 ± 1.2	168 ± 20.5	267 ± 0.7	235 ± 9.6
2500.0	220 ± 1.5	160 ± 4.7	259 ± 23.3	236 ± 11.8
5000.0	168 ± 6.4	141 ± 7.3	259 ± 13.0	186 ± 8.2
7500.0	147 ± 10.3	151 ± 5.8	265 ± 16.2	190 ± 4.5
10000.0	208 ± 33.9	198 ± 13.4	271 ± 36.5	215 ± 7.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			941 ± 23.7	873 ± 67.7
Positive Control ⁶	2009 ± 47.5	2106 ± 119.4		

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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 Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****