

Experiment Number: **A52190**

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

G06: Ames Summary Data

Test Compound: **2-Acetylpyridine**

CAS Number: **1122-62-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **04:18:03**

NTP Study Number:

A52190

Study Result:

Negative

Experiment Number: A52190
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G06: Ames Summary Data
 Test Compound: 2-Acetylpyridine
 CAS Number: 1122-62-9

Date Report Requested: 09/17/2018
 Time Report Requested: 04:18:03

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	134 ± 3.7	126 ± 10.8	141 ± 12.7	151 ± 8.5	127 ± 5.4
100.0	154 ± 10.1	135 ± 6.4	130 ± 1.2	127 ± 5.9	127 ± 1.9
333.0	151 ± 10.6	126 ± 3.8	141 ± 1.7	135 ± 4.3	126 ± 2.9
1000.0	149 ± 5.9	125 ± 4.9	128 ± 3.5	121 ± 3.7	118 ± 3.5
3333.0	138 ± 5.8	142 ± 8.7	126 ± 6.7	134 ± 1.8	113 ± 1.8
10000.0	96 ± 10.7 ^s	110 ± 7.4 ^s	112 ± 4.7 ^s	118 ± 0.3 ^s	95 ± 9.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					534 ± 13.5
Positive Control ³			462 ± 16.9		
Positive Control ⁴	935 ± 10.9	852 ± 14.8			
Positive Control ⁵				591 ± 9.0	

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Date Report Requested: 09/17/2018
Time Report Requested: 04:18:03

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	140 ± 7.8
100.0	123 ± 11.4
333.0	145 ± 5.5
1000.0	142 ± 4.6
3333.0	152 ± 13.1
10000.0	106 ± 3.8 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	634 ± 16.0
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.8	11 ± 1.9	15 ± 1.5	13 ± 1.3	11 ± 2.1
100.0	11 ± 2.1	11 ± 1.5	16 ± 2.6	14 ± 1.7	12 ± 2.0
333.0	10 ± 1.5	13 ± 0.7	13 ± 1.5	10 ± 1.5	15 ± 4.5
1000.0	11 ± 2.5	11 ± 0.6	12 ± 1.2	10 ± 1.5	16 ± 1.5
3333.0	11 ± 1.0	11 ± 0.7	12 ± 3.5	10 ± 0.0	14 ± 1.2
10000.0	6 ± 1.5 ^s	6 ± 1.2 ^s	7 ± 1.0 ^s	6 ± 0.3 ^s	8 ± 0.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					115 ± 7.5
Positive Control ⁴	938 ± 18.8	927 ± 7.4			
Positive Control ⁵			108 ± 13.1		
Positive Control ⁶				105 ± 6.6	

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Test Compound: 2-Acetylpyridine
CAS Number: 1122-62-9

Date Report Requested: 09/17/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 2.5
100.0	12 ± 1.5
333.0	13 ± 0.3
1000.0	12 ± 1.7
3333.0	10 ± 1.5
10000.0	7 ± 0.6 ^s
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	125 ± 9.6
Positive Control ⁶	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	166 ± 5.0	141 ± 8.3	166 ± 7.6	196 ± 5.9	179 ± 11.6
100.0	167 ± 10.7	139 ± 9.4	161 ± 13.9	195 ± 0.3	164 ± 11.1
333.0	161 ± 12.7	147 ± 14.9	146 ± 1.9	175 ± 18.3	163 ± 8.0
1000.0	170 ± 7.8	150 ± 3.6	172 ± 11.8	174 ± 12.1	182 ± 2.8
3333.0	150 ± 3.4	137 ± 5.9	176 ± 14.1	173 ± 8.4	154 ± 13.2
10000.0	119 ± 4.2 ^s	115 ± 9.8 ^s	114 ± 4.4 ^s	142 ± 12.7 ^s	115 ± 5.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					548 ± 35.7
Positive Control ³			568 ± 18.8		
Positive Control ⁵				535 ± 18.3	
Positive Control ⁷	546 ± 11.7	538 ± 20.7			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	177 ± 14.0
100.0	177 ± 5.5
333.0	193 ± 2.8
1000.0	183 ± 7.9
3333.0	174 ± 3.2
10000.0	163 ± 9.1 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	652 ± 15.1
Positive Control ⁵	
Positive Control ⁷	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 0.6	21 ± 3.3	21 ± 3.2	24 ± 2.6	23 ± 3.3
100.0	19 ± 1.2	17 ± 1.2	24 ± 4.4	20 ± 2.2	19 ± 0.3
333.0	23 ± 1.0	16 ± 4.3	26 ± 2.8	20 ± 3.8	19 ± 2.5
1000.0	17 ± 3.4	22 ± 3.4	22 ± 2.2	20 ± 4.8	22 ± 0.9
3333.0	19 ± 1.0	23 ± 2.0	21 ± 1.5	19 ± 3.8	21 ± 2.6
10000.0	11 ± 1.7 ^s	14 ± 3.7 ^s	10 ± 1.2 ^s	14 ± 1.7 ^s	15 ± 2.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					490 ± 11.2
Positive Control ³			457 ± 20.0		
Positive Control ⁸	425 ± 9.1	362 ± 19.9			
Positive Control ⁵				386 ± 14.2	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	19 ± 2.1
100.0	20 ± 1.2
333.0	14 ± 1.0
1000.0	16 ± 3.4
3333.0	18 ± 2.1
10000.0	14 ± 1.2 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	436 ± 21.2
Positive Control ⁸	
Positive Control ⁵	

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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: 2.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate Sodium Azide
- 5: 5.0 ug/Plate 2-Aminoanthracene
- 6: 10.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

** END OF REPORT **