

Experiment Number: 207518

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Mezelein

CAS Number: 34807-41-5

Date Report Requested: 09/14/2018

Time Report Requested: 14:39:33

NTP Study Number:

207518

Study Result:

Negative

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Date Report Requested: 09/14/2018
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	111 ± 6.6	87 ± 8.1	158 ± 14.7	124 ± 7.9	133 ± 6.1
100.0	113 ± 6.1	91 ± 6.7	134 ± 7.9	106 ± 5.2	152 ± 11.0
333.0	96 ± 6.2	78 ± 9.6	137 ± 7.2	103 ± 15.2	148 ± 18.5
1000.0	112 ± 2.1 ^P	87 ± 8.9 ^P	132 ± 12.4 ^P	120 ± 9.2 ^P	150 ± 14.8 ^P
3333.0	113 ± 5.8 ^P	77 ± 3.8 ^P	145 ± 5.8 ^P	125 ± 10.0 ^P	135 ± 14.5 ^P
10000.0	110 ± 5.8 ^P	71 ± 2.1 ^P	123 ± 8.8 ^P	82 ± 2.0 ^P	149 ± 20.3 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	807 ± 39.6	260 ± 16.7			
Positive Control ³			333 ± 42.7	282 ± 15.3	1141 ± 11.3

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	128 ± 3.5
100.0	100 ± 11.8
333.0	123 ± 6.6
1000.0	116 ± 5.7 ^P
3333.0	123 ± 4.9 ^P
10000.0	100 ± 14.0 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	678 ± 13.1

Experiment Number: 207518

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G06: Ames Summary Data

Test Compound: Mezerein

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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	18 ± 1.2	32 ± 6.2	9 ± 2.0	11 ± 0.7	5 ± 0.7
100.0	13 ± 3.2	32 ± 3.1	6 ± 1.5	14 ± 1.2	5 ± 0.6
333.0	13 ± 2.5	35 ± 2.8	8 ± 1.2	10 ± 1.2	6 ± 2.3
1000.0	17 ± 1.2 ^P	32 ± 0.9 ^P	5 ± 1.2 ^P	13 ± 1.7 ^P	6 ± 0.9 ^P
3333.0	11 ± 2.5 ^P	23 ± 3.1 ^P	5 ± 1.8 ^P	8 ± 2.3 ^P	8 ± 1.7 ^P
10000.0	10 ± 1.2 ^P	25 ± 4.7 ^P	10 ± 0.6 ^P	9 ± 1.3 ^P	5 ± 1.7 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	236 ± 3.5	144 ± 21.4			
Positive Control ⁴			184 ± 10.3	170 ± 15.1	370 ± 16.4

Experiment Number: 207518
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G06: Ames Summary Data
Test Compound: Mezeirin
CAS Number: 34807-41-5

Date Report Requested: 09/14/2018
Time Report Requested: 14:39:33

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	6 ± 0.7
100.0	11 ± 1.2
333.0	7 ± 1.2
1000.0	8 ± 1.9 ^P
3333.0	8 ± 1.0 ^P
10000.0	10 ± 0.7 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	987 ± 26.4

Experiment Number: 207518
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Mezelein
CAS Number: 34807-41-5

Date Report Requested: 09/14/2018
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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	150 ± 4.3	149 ± 6.8	209 ± 13.5	183 ± 10.7	153 ± 13.5
100.0	156 ± 3.8	142 ± 4.4	214 ± 9.6	187 ± 16.0	202 ± 11.1
333.0	176 ± 7.4	160 ± 0.8	226 ± 13.6	167 ± 4.5	191 ± 9.0
1000.0	174 ± 9.9 ^P	159 ± 6.7 ^P	254 ± 9.8 ^P	156 ± 17.6 ^P	185 ± 12.4 ^P
3333.0	180 ± 11.7 ^P	140 ± 9.1 ^P	235 ± 6.3 ^P	157 ± 9.8 ^P	195 ± 20.9 ^P
10000.0	175 ± 13.1 ^P	107 ± 4.1 ^P	236 ± 10.7 ^P	136 ± 15.1 ^P	190 ± 1.7 ^P
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ⁴			922 ± 7.6	432 ± 40.7	1349 ± 20.5
Positive Control ⁵	661 ± 40.2	472 ± 4.5			

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Test Compound: Mezeirin
CAS Number: 34807-41-5

Date Report Requested: 09/14/2018
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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	199 ± 19.7
100.0	201 ± 19.7
333.0	183 ± 19.0
1000.0	201 ± 4.3 ^P
3333.0	202 ± 5.0 ^P
10000.0	177 ± 5.8 ^P
Trial Summary	Negative
Positive Control ⁴	1036 ± 32.9
Positive Control ⁵	

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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	17 ± 1.8	19 ± 3.5	26 ± 3.3	34 ± 4.0	27 ± 0.9
100.0	15 ± 3.5	15 ± 1.5	26 ± 2.4	29 ± 5.2	23 ± 1.9
333.0	18 ± 1.7	16 ± 1.2	22 ± 2.1	24 ± 3.2	24 ± 2.7
1000.0	16 ± 0.7 ^P	17 ± 0.3 ^P	28 ± 1.5 ^P	34 ± 2.2 ^P	22 ± 4.2 ^P
3333.0	13 ± 1.2 ^P	17 ± 4.5 ^P	19 ± 1.7 ^P	29 ± 0.9 ^P	22 ± 2.1 ^P
10000.0	16 ± 0.9 ^P	17 ± 2.2 ^P	23 ± 2.0 ^P	35 ± 4.1 ^P	27 ± 3.8 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			573 ± 29.0	210 ± 11.6	1394 ± 31.2
Positive Control ⁶	249 ± 2.4	870 ± 28.4			

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Test Compound: Mezeirin
CAS Number: 34807-41-5

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	29 ± 1.2
100.0	26 ± 3.5
333.0	27 ± 2.5
1000.0	25 ± 3.0 ^P
3333.0	27 ± 5.4 ^P
10000.0	23 ± 1.7 ^P
Trial Summary	Negative
Positive Control ³	472 ± 21.0
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: Water

2: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****