

Experiment Number: 651476

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

G06: Ames Summary Data

Test Compound: **AF-2**

CAS Number: **3688-53-7**

Date Report Requested: **09/11/2018**

Time Report Requested: **05:45:50**

NTP Study Number:

651476

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	121 ± 12.2	141 ± 3.2	110 ± 11.0	133 ± 3.5	107 ± 1.3
0.0	127 ± 11.5	159 ± 4.9			
0.001	175 ± 12.6	237 ± 12.9			
0.003	304 ± 10.7	379 ± 3.7	118 ± 8.7	166 ± 11.0	136 ± 3.6
0.01	511 ± 32.0 ^s	758 ± 44.9 ^s	171 ± 7.8	244 ± 21.4	163 ± 10.5
0.03	132 ± 24.0 ^s	425 ± 31.9 ^s	387 ± 16.8	465 ± 18.7	327 ± 22.5
0.1			524 ± 15.8	714 ± 42.0	559 ± 27.6
0.3			260 ± 14.8 ^s	216 ± 4.7 ^s	226 ± 9.5 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					671 ± 24.9
Positive Control ³			496 ± 14.0	1250 ± 29.0	
Positive Control ⁴	1438 ± 35.6	2090 ± 7.1			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	108 ± 5.5
0.0	
0.001	
0.003	149 ± 5.6
0.01	223 ± 22.5
0.03	433 ± 7.9
0.1	529 ± 21.5
0.3	127 ± 5.5 ^s
Trial Summary	Positive
Positive Control ²	1419 ± 52.9
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	24 ± 0.9	8 ± 0.3	11 ± 1.2
0.0	20 ± 3.0		
0.001	22 ± 0.6		
0.003	21 ± 0.9	8 ± 1.2	8 ± 1.5
0.01	16 ± 1.8	10 ± 2.1	9 ± 1.5
0.03	7 ± 0.7 ^s	11 ± 1.5	9 ± 3.2
0.1		13 ± 1.9	15 ± 0.3
0.3		9 ± 2.4 ^s	8 ± 2.3 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²			63 ± 4.9
Positive Control ³		53 ± 2.6	
Positive Control ⁴	1308 ± 48.7		

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G06: Ames Summary Data

Date Report Requested: 09/11/2018

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **AF-2**Time Report Requested: **05:45:50**CAS Number: **3688-53-7****Strain: TA1537**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.7	7 ± 1.9	9 ± 1.0	6 ± 0.6	10 ± 1.3
0.0	7 ± 1.5	9 ± 0.7			
0.001	6 ± 0.3	9 ± 2.2			
0.003	7 ± 0.3	9 ± 1.5	10 ± 0.6	7 ± 0.7	9 ± 0.9
0.01	13 ± 1.9	26 ± 2.0 ^s	8 ± 0.3	7 ± 2.2	7 ± 1.8
0.03	16 ± 5.9 ^s	4 ± 1.5 ^s	10 ± 0.9	10 ± 3.3	13 ± 2.6
0.1			17 ± 1.2	17 ± 0.6	27 ± 2.3
0.3			27 ± 5.5 ^s	13 ± 0.3 ^s	7 ± 2.5 ^s
Trial Summary	Equivocal	Equivocal	Equivocal	Equivocal	Equivocal
Positive Control ²					73 ± 8.5
Positive Control ³			59 ± 3.3	64 ± 6.0	
Positive Control ⁵	254 ± 38.8	119 ± 24.1			

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Test Compound: AF-2
CAS Number: 3688-53-7

Date Report Requested: 09/11/2018
Time Report Requested: 05:45:50

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 2.0
0.0	
0.001	
0.003	9 ± 1.5
0.01	8 ± 1.2
0.03	15 ± 3.7
0.1	21 ± 1.2
0.3	7 ± 1.8 ^s
Trial Summary	Equivocal
Positive Control ²	74 ± 3.5
Positive Control ³	
Positive Control ⁵	

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Test Compound: AF-2

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Date Report Requested: 09/11/2018

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 2.6	13 ± 0.3	16 ± 1.8	19 ± 1.5	17 ± 0.0
0.0	18 ± 2.6	21 ± 1.8			
0.001	38 ± 3.2	45 ± 6.5			
0.003	80 ± 4.7	126 ± 4.3	24 ± 0.6	20 ± 1.5	17 ± 0.6
0.01	257 ± 15.2	298 ± 3.6	22 ± 2.3	30 ± 4.3	23 ± 1.5
0.03	247 ± 21.0 ^s	145 ± 23.1 ^s	46 ± 4.4	58 ± 5.1	42 ± 2.7
0.1			86 ± 2.5	206 ± 7.4	131 ± 1.2
0.3			249 ± 13.8	253 ± 21.0	299 ± 28.8
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					823 ± 50.2
Positive Control ³			724 ± 20.8	1271 ± 23.2	
Positive Control ⁶	1961 ± 41.9	1484 ± 32.0			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	20 ± 4.3
0.0	
0.001	
0.003	21 ± 1.7
0.01	28 ± 3.9
0.03	52 ± 5.9
0.1	171 ± 13.5
0.3	222 ± 27.4
Trial Summary	Positive
Positive Control ²	1406 ± 32.9
Positive Control ³	
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: Dimethyl Sulfoxide

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****