

Experiment Number: 267102

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: **08:28:13**

NTP Study Number:

267102

Study Result:

Positive

Experiment Number: 267102

G06: Ames Summary Data

Date Report Requested: 09/11/2018

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Mutagenicity

Test Compound: AF-2

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CAS Number: 3688-53-7

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	87 ± 0.9	82 ± 1.0	89 ± 1.5	101 ± 6.1	93 ± 2.9
0.0	92 ± 8.7	80 ± 1.0	134 ± 16.7		
	0.001	139 ± 11.3	148 ± 10.1		
	0.003	359 ± 31.5	253 ± 4.4		
133 ± 8.0	0.01	696 ± 24.7	945 ± 13.5		94 ± 5.2
167 ± 1.5	0.02	451 ± 31.0 ^s			
	0.03				117 ± 3.8
203 ± 7.2	0.1				241 ± 15.7
627 ± 17.3	0.3			431 ± 17.1	393 ± 10.3
806 ± 35.1	1.0			318 ± 8.0	468 ± 20.6
	3.3			68 ± 0.9 ^s	
	10.0			63 ± 3.9 ^s	
	20.0			80 ± 10.7 ^s	
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	424 ± 118.0	314 ± 18.3			
Positive Control ³					1385 ± 72.7
Positive Control ⁴			564 ± 16.5	226 ± 3.1	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	14 ± 3.1	16 ± 2.5	23 ± 2.3	20 ± 2.2	23 ± 1.3
0.0	14 ± 3.2	24 ± 4.3	18 ± 1.5		
	0.001	37 ± 6.9	27 ± 2.0		
	0.003	87 ± 7.1	50 ± 4.0		
17 ± 0.0	0.01	256 ± 2.9	219 ± 7.4		24 ± 2.2
24 ± 1.3	0.02	249 ± 8.2 ^s			
	0.03				25 ± 1.2
31 ± 4.6	0.1				32 ± 1.0
70 ± 8.1	0.3			86 ± 8.7	59 ± 2.2
192 ± 10.0	1.0			205 ± 10.3	180 ± 3.5
	3.3			64 ± 4.0 ^s	
	10.0			12 ± 0.7 ^s	
	20.0			17 ± 1.8 ^s	
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ⁵					532 ± 22.5
Positive Control ³			167 ± 7.4	67 ± 1.0	
Positive Control ⁶	198 ± 15.5	164 ± 9.6			

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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: 0.5 ug/Plate Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 0.4 ug/Plate 2-Aminoanthracene
- 6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

**** END OF REPORT ****