

Experiment Number: 136878

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

G06: Ames Summary Data

Test Compound: **Formulated fenaminosulf**

CAS Number: 140-56-7

Date Report Requested: 09/12/2018

Time Report Requested: 08:37:39

NTP Study Number:

136878

Study Result:

Positive

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Mutagenicity**G06: Ames Summary Data**Test Compound: Formulated fenaminosulf
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Date Report Requested: 09/12/2018

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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	221 ± 11.1	190 ± 7.1	214 ± 4.7	184 ± 6.4	225 ± 4.9
10.0	288 ± 8.5	240 ± 11.4	264 ± 7.0	205 ± 7.1	258 ± 8.9
33.0	467 ± 46.9	435 ± 12.3	328 ± 14.8	392 ± 17.2	398 ± 9.7
100.0	844 ± 11.5	823 ± 22.2	587 ± 33.3	912 ± 21.7	856 ± 7.6
333.0	1170 ± 12.8	986 ± 12.8	1177 ± 30.1	1268 ± 28.2	1193 ± 55.0
666.0	730 ± 15.0	517 ± 57.8	1010 ± 17.8	947 ± 16.8 ^s	1005 ± 67.8
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					737 ± 22.7
Positive Control ³			871 ± 63.4	1276 ± 156.3	
Positive Control ⁴	933 ± 45.0	1252 ± 29.6			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	167 ± 8.2
10.0	226 ± 18.8
33.0	506 ± 10.3
100.0	1054 ± 26.0
333.0	1186 ± 33.8
666.0	824 ± 41.1
Trial Summary	Positive
Positive Control ²	1264 ± 33.5
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	25 ± 5.0	33 ± 0.9	9 ± 0.6	15 ± 1.2	10 ± 3.3
10.0	28 ± 1.8	33 ± 3.8	8 ± 1.0	18 ± 1.2	11 ± 1.2
33.0	25 ± 3.1	29 ± 2.3	13 ± 2.4	19 ± 2.0	17 ± 3.2
100.0	26 ± 2.9	27 ± 2.0	23 ± 1.9	26 ± 4.7	18 ± 1.5
333.0	21 ± 3.3	17 ± 0.0	20 ± 0.3	18 ± 4.4	16 ± 1.8
666.0	4 ± 0.3	9 ± 2.0 ^s	3 ± 0.9	7 ± 1.5 ^s	1 ± 0.3
Trial Summary	Negative	Negative	Weakly Positive	Negative	Equivocal
Positive Control ²					71 ± 5.1
Positive Control ³			64 ± 4.3	162 ± 10.3	
Positive Control ⁴	580 ± 20.4	791 ± 18.2			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.0
10.0	13 ± 2.3
33.0	27 ± 1.7
100.0	22 ± 1.2
333.0	14 ± 2.3 ^s
666.0	3 ± 0.6 ^s
Trial Summary	Weakly Positive
Positive Control ²	68 ± 6.4
Positive Control ³	
Positive Control ⁴	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	84 ± 2.8	120 ± 6.5	96 ± 5.1	186 ± 14.2	148 ± 13.1
10.0	106 ± 15.9	905 ± 38.7	431 ± 33.5	709 ± 12.8	812 ± 38.7
33.0	310 ± 11.8	2783 ± 214.2	1117 ± 29.9	2281 ± 92.9	3155 ± 65.0
100.0	411 ± 17.7 ^s	2211 ± 34.9	2455 ± 121.8 ^s	3794 ± 86.5	4360 ± 169.9
333.0	Toxic	1525 ± 48.2	1826 ± 216.2 ^s	3666 ± 141.3	4136 ± 117.4
666.0	Toxic	360 ± 53.4 ^s	Toxic	1223 ± 102.6 ^s	1425 ± 180.5 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					619 ± 44.5
Positive Control ³			531 ± 46.5	1058 ± 11.3	
Positive Control ⁵	675 ± 33.2	758 ± 10.3			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	181 ± 1.8
10.0	947 ± 25.7
33.0	2852 ± 68.4
100.0	4070 ± 50.2
333.0	2208 ± 111.1
666.0	544 ± 120.3
Trial Summary	Positive
Positive Control ²	647 ± 4.1
Positive Control ³	
Positive Control ⁵	

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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 ± 0.7	24 ± 1.8	32 ± 1.5	35 ± 1.5	18 ± 1.0
10.0	114 ± 6.6	167 ± 10.4	67 ± 4.9	87 ± 3.8	84 ± 2.7
33.0	427 ± 32.6	511 ± 13.7	213 ± 11.3	317 ± 9.5	384 ± 7.6
100.0	1193 ± 22.5	1066 ± 27.9	828 ± 18.0	1119 ± 43.3	1278 ± 14.3
333.0	1654 ± 23.5	1291 ± 95.5	1812 ± 38.1	1523 ± 101.3	1837 ± 47.0
666.0	1312 ± 53.2	846 ± 5.8	1877 ± 38.1	1206 ± 77.2	1379 ± 15.2
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					709 ± 22.7
Positive Control ³			835 ± 24.2	1406 ± 36.0	
Positive Control ⁶	1220 ± 34.8	2173 ± 63.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	29 ± 5.2
10.0	100 ± 1.5
33.0	446 ± 25.5
100.0	1226 ± 23.1
333.0	1434 ± 27.1
666.0	981 ± 69.2 ^s
Trial Summary	Positive
Positive Control ²	923 ± 30.9
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: 4.0 ug/Plate 9-Aminoacridine

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

s: Slight Toxicity

**** END OF REPORT ****