

Experiment Number: **741678**

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

G06: Ames Summary Data

Test Compound: **Musk ambrette**

CAS Number: **83-66-9**

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

Time Report Requested: **05:58:12**

NTP Study Number:

741678

Study Result:

Negative

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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	170 ± 5.8	145 ± 4.9	162 ± 12.3	97 ± 9.4	159 ± 5.0
3.3	165 ± 3.5	120 ± 12.4	154 ± 7.2	90 ± 2.6	161 ± 2.5
10.0	152 ± 1.5	125 ± 3.2	136 ± 14.2	106 ± 13.4	147 ± 2.3
33.0	166 ± 6.5 ^s	122 ± 7.7	167 ± 8.7	96 ± 1.3	147 ± 12.1
100.0	146 ± 5.9 ^s	89 ± 2.6 ^s	158 ± 9.5	92 ± 5.8	165 ± 9.2
333.0	110 ± 15.0 ^s	80 ± 5.2 ^s	135 ± 7.9 ^s	80 ± 6.1 ^s	125 ± 2.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1118 ± 56.3
Positive Control ³			1327 ± 34.4	1148 ± 22.1	
Positive Control ⁴	1600 ± 47.5	1936 ± 95.5			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	95 ± 3.5
3.3	84 ± 6.0
10.0	87 ± 6.7
33.0	88 ± 6.7
100.0	89 ± 2.7
333.0	85 ± 16.3 ^s
Trial Summary	Negative
Positive Control ²	760 ± 21.3
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	37 ± 3.6	47 ± 3.8	9 ± 2.2	13 ± 1.8	11 ± 1.2
3.3	31 ± 2.7	34 ± 2.3	10 ± 0.6	8 ± 1.5	12 ± 1.2
10.0	29 ± 1.5	40 ± 5.4	10 ± 2.2	10 ± 1.0	10 ± 0.3
33.0	33 ± 2.3	40 ± 2.5	9 ± 0.3	7 ± 0.7	12 ± 1.0
100.0	33 ± 3.4	38 ± 4.4	12 ± 2.8	12 ± 1.5	11 ± 0.6
333.0	24 ± 2.3 ^s	32 ± 2.0 ^s	7 ± 2.1 ^s	5 ± 1.5 ^s	4 ± 0.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					74 ± 1.0
Positive Control ³			105 ± 8.2	124 ± 10.7	
Positive Control ⁴	1395 ± 24.4	1250 ± 10.5			

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Test Compound: Musk ambrette

CAS Number: 83-66-9

Date Report Requested: 09/17/2018

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 0.7
3.3	9 ± 0.9
10.0	10 ± 1.5
33.0	5 ± 1.8
100.0	14 ± 0.6
333.0	8 ± 1.9 ^s
Trial Summary	Negative
Positive Control ²	101 ± 11.5
Positive Control ³	
Positive Control ⁴	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 0.6	5 ± 0.3	8 ± 0.9	9 ± 2.6	10 ± 1.9
3.3	6 ± 0.9	7 ± 1.2	9 ± 1.2	8 ± 1.2	10 ± 2.0
10.0	3 ± 1.5	5 ± 0.6	9 ± 1.0	9 ± 2.3	7 ± 1.9
33.0	7 ± 2.5	8 ± 0.7	6 ± 1.2	8 ± 1.2	4 ± 0.7
100.0	8 ± 1.0	9 ± 1.2	10 ± 2.6	10 ± 2.0	8 ± 1.5
333.0	3 ± 1.5 ^s	8 ± 2.1 ^s	6 ± 0.9 ^s	7 ± 1.8 ^s	8 ± 0.6 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					49 ± 3.2
Positive Control ³			83 ± 4.6	105 ± 7.5	
Positive Control ⁵	257 ± 57.5	728 ± 23.7			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 3.5
3.3	9 ± 0.9
10.0	9 ± 0.7
33.0	7 ± 0.3
100.0	9 ± 0.3
333.0	5 ± 1.5 ^s
Trial Summary	Negative
Positive Control ²	69 ± 1.5
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	18 ± 0.3	15 ± 2.3	30 ± 0.3	31 ± 2.4	28 ± 0.6
3.3	18 ± 3.5	16 ± 1.9	29 ± 4.3	26 ± 4.5	31 ± 4.4
10.0	13 ± 3.0	17 ± 2.7	30 ± 3.2	25 ± 4.8	26 ± 1.9
33.0	16 ± 2.0	22 ± 2.2	30 ± 4.2	26 ± 3.5	27 ± 4.9
100.0	16 ± 0.6	21 ± 3.3	30 ± 2.2	29 ± 3.2	30 ± 3.4
333.0	20 ± 5.2 ^S	19 ± 2.5	23 ± 2.4 ^S	24 ± 1.7	26 ± 0.9 ^S
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					276 ± 4.0
Positive Control ³			413 ± 18.1	707 ± 15.1	
Positive Control ⁶	1519 ± 32.4	1388 ± 27.5			

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Test Compound: Musk ambrette
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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	24 ± 4.9
3.3	25 ± 3.1
10.0	26 ± 3.5
33.0	29 ± 3.0
100.0	27 ± 2.7
333.0	25 ± 1.2 ^S
Trial Summary	Negative
Positive Control ²	357 ± 7.3
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 ****