

Experiment Number: 876647

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 09/16/2018

Time Report Requested: 17:12:48

NTP Study Number:

876647

Study Result:

Positive

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Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	104 ± 5.8	138 ± 0.0	152 ± 6.7	111 ± 3.2	133 ± 11.6
3.3	111 ± 6.0		156 ± 4.5		136 ± 4.0
10.0	116 ± 9.1	135 ± 4.5	151 ± 5.2	108 ± 2.9	135 ± 9.4
33.0	131 ± 3.8	154 ± 3.4	173 ± 11.0	140 ± 5.7	146 ± 9.8
100.0	11 ± 7.0 ^s	199 ± 11.5	271 ± 1.9	220 ± 0.7	235 ± 1.8
200.0	Toxic				
333.0		0 ± 0.0 ^s	36 ± 14.1 ^s	364 ± 16.8 ^s	722 ± 18.8 ^s
667.0		Toxic		Toxic	
Trial Summary	Negative	Equivocal	Equivocal	Positive	Positive
Positive Control ²	359 ± 7.8				
Positive Control ³				496 ± 10.2	853 ± 26.8
Positive Control ⁴		1435 ± 32.1	1297 ± 9.1		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	17 ± 1.0	22 ± 4.2	28 ± 2.6
3.3	18 ± 2.0		
10.0	19 ± 1.2	26 ± 0.7	27 ± 3.4
33.0	19 ± 2.3	29 ± 3.3	32 ± 4.1
100.0	5 ± 1.7 ^s	36 ± 3.7	30 ± 1.5
200.0	Toxic		
333.0		0 ± 0.0 ^s	29 ± 2.6
667.0		Toxic	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control ⁵			126 ± 8.7
Positive Control ³		430 ± 5.2	
Positive Control ⁶	298 ± 8.9		

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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 ****