

Experiment Number: **998163**

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

G06: Ames Summary Data

Test Compound: **bis(Cyclopentadienyl)vanadium chloride**

CAS Number: **12083-48-6**

Date Report Requested: **09/15/2018**

Time Report Requested: **10:19:32**

NTP Study Number:

998163

Study Result:

Positive

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	91 ± 11.3	91 ± 4.5	95 ± 5.7	82 ± 4.9
1.0	104 ± 9.8		106 ± 2.2	93 ± 10.0
3.0	104 ± 3.0	136 ± 5.8	120 ± 7.2	91 ± 9.7
10.0	143 ± 8.0	177 ± 13.7	122 ± 7.2	96 ± 4.5
16.0		251 ± 31.5		
33.0	246 ± 17.5	269 ± 26.2	102 ± 7.6	94 ± 10.1
66.0		2 ± 1.5 ^s		
100.0	1 ± 1.0 ^s		88 ± 44.0	64 ± 22.5
Trial Summary	Weakly Positive	Positive	Equivocal	Negative
Positive Control ²				811 ± 46.6
Positive Control ³	762 ± 20.7	294 ± 1.7		
Positive Control ⁴			410 ± 5.0	

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Strain: TA1535			
Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.2	6 ± 0.3	10 ± 1.9
1.0	19 ± 1.9	7 ± 0.6	7 ± 1.5
3.0	20 ± 4.4	7 ± 1.2	6 ± 1.3
10.0	14 ± 2.3	7 ± 1.5	11 ± 3.0
33.0	16 ± 1.2	9 ± 2.2	8 ± 2.2
100.0	0 ± 0.0 ^s	11 ± 1.5	9 ± 2.0
Trial Summary	Negative	Negative	Negative
Positive Control ³	592 ± 12.8		
Positive Control ⁴			225 ± 3.7
Positive Control ⁵		127 ± 16.2	

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Strain: TA97				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	135 ± 2.3	125 ± 2.4	127 ± 2.1	155 ± 8.4
1.0	140 ± 5.4		163 ± 6.6	143 ± 9.9
3.0	141 ± 3.3	151 ± 9.3	161 ± 3.8	128 ± 4.5
10.0	212 ± 11.9	204 ± 11.6	161 ± 11.2	135 ± 1.9
16.0		251 ± 10.5		
33.0	269 ± 15.0	248 ± 7.6	156 ± 8.0	142 ± 15.4
66.0		125 ± 17.8 ^s		
100.0	172 ± 5.8 ^s		166 ± 2.5	144 ± 10.8
Trial Summary	Weakly Positive	Positive	Equivocal	Negative
Positive Control ²				387 ± 28.0
Positive Control ⁴			293 ± 14.6	
Positive Control ⁶	1130 ± 50.9	567 ± 42.6		

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Strain: TA98				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.5	14 ± 1.9	19 ± 2.6	25 ± 1.7
1.0	14 ± 1.7		25 ± 3.2	21 ± 1.9
3.0	14 ± 0.9	12 ± 0.9	19 ± 4.3	22 ± 2.6
10.0	20 ± 2.7	22 ± 3.5	20 ± 5.0	23 ± 2.6
16.0		22 ± 0.3		
33.0	31 ± 5.5	18 ± 4.9	27 ± 0.3	17 ± 1.0
66.0		0 ± 0.0 ^s		
100.0	1 ± 0.6 ^s		27 ± 1.2	14 ± 1.9
Trial Summary	Equivocal	Negative	Negative	Negative
Positive Control ²				698 ± 66.8
Positive Control ⁴			313 ± 8.0	
Positive Control ⁷	563 ± 23.2	357 ± 7.8		

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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 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****