

Experiment Number: 129636

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2'-Dihydroxy-4-methoxybenzophenone

CAS Number: 131-53-3

Date Report Requested: 09/12/2018

Time Report Requested: 07:40:53

NTP Study Number:

129636

Study Result:

Positive

Experiment Number: 129636

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Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2'-Dihydroxy-4-methoxybenzophenone
CAS Number: 131-53-3

Date Report Requested: 09/12/2018

Time Report Requested: 07:40:53

Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	119 ± 6.0	116 ± 4.6	110 ± 4.0
3.0	112 ± 7.0	124 ± 0.7	132 ± 9.9
10.0	116 ± 5.0	168 ± 19.0	131 ± 2.9
33.0	108 ± 7.0	162 ± 5.2	125 ± 8.2
100.0	93 ± 3.3	159 ± 4.1	124 ± 10.2
333.0	Toxic	149 ± 8.2	108 ± 3.5
Trial Summary	Negative	Negative	Negative
Positive Control ²		398 ± 20.7	1301 ± 49.1
Positive Control ³	357 ± 7.8		

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Test Compound: 2,2'-Dihydroxy-4-methoxybenzophenone
CAS Number: 131-53-3

Date Report Requested: 09/12/2018

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 0.6	11 ± 3.0	15 ± 1.2
3.0	15 ± 4.5	16 ± 1.7	21 ± 3.3
10.0	14 ± 0.9	15 ± 1.0	18 ± 1.2
33.0	15 ± 0.3	19 ± 4.4	24 ± 4.4
100.0	12 ± 2.5	16 ± 0.9	14 ± 0.3
333.0	0 ± 0.0 ^s	0 ± 0.0 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ³	240 ± 3.2		
Positive Control ⁴		119 ± 14.0	289 ± 12.9

Experiment Number: 129636

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G06: Ames Summary Data

Test Compound: 2,2'-Dihydroxy-4-methoxybenzophenone
CAS Number: 131-53-3

Date Report Requested: 09/12/2018

Time Report Requested: 07:40:53

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 3.8	7 ± 2.3	4 ± 0.9	4 ± 0.7	4 ± 0.9
1.0			6 ± 0.9		9 ± 1.5
3.0	9 ± 1.9	19 ± 2.3	21 ± 2.6	21 ± 2.7	23 ± 2.5
10.0	6 ± 0.3	42 ± 11.5	34 ± 4.4	40 ± 5.8	65 ± 11.7
33.0	6 ± 0.9	60 ± 8.5	49 ± 11.7	54 ± 4.7	98 ± 14.7
100.0	5 ± 0.6	56 ± 1.9	46 ± 5.2	39 ± 3.7	91 ± 8.2
333.0	0 ± 0.0 ^s	0 ± 0.0 ^s		0 ± 0.0 ^s	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ⁴		78 ± 5.6	160 ± 18.2	479 ± 26.9	189 ± 12.1
Positive Control ⁵	463 ± 139.4				

Experiment Number: 129636

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2'-Dihydroxy-4-methoxybenzophenone
CAS Number: 131-53-3

Date Report Requested: 09/12/2018

Time Report Requested: 07:40:53

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 1.5	27 ± 4.2	22 ± 2.8
3.0	13 ± 0.3	26 ± 3.2	32 ± 3.0
10.0	15 ± 1.5	22 ± 1.3	35 ± 4.5
33.0	13 ± 2.3	38 ± 1.5	27 ± 2.5
100.0	2 ± 2.0 ⁵	23 ± 0.9	23 ± 1.7
333.0	Toxic	19 ± 18.5	0 ± 0.0 ⁵
Trial Summary	Negative	Negative	Negative
Positive Control ²		230 ± 12.5	1132 ± 4.2
Positive Control ⁶	682 ± 72.7		

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

G06: Ames Summary Data

Test Compound: **2,2'-Dihydroxy-4-methoxybenzophenone**

CAS Number: 131-53-3

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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: 95% Ethanol

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****