

Experiment Number: 849805

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Rhein (1,8-dihydroxy-3-carboxyl anthraquinone)

CAS Number: 478-43-3

Date Report Requested: 09/16/2018

Time Report Requested: 08:26:33

**NTP Study Number:**

849805

**Study Result:**

Positive

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Time Report Requested: 08:26:33

CAS Number: 478-43-3

## 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 <sup>1</sup>	85 ± 2.5	129 ± 5.2	104 ± 10.1	101 ± 6.5	119 ± 4.5
3.0	85 ± 2.5				
10.0	94 ± 4.8	131 ± 5.5		134 ± 8.0	
33.0	94 ± 5.4	120 ± 5.5	116 ± 18.2	122 ± 5.4	100 ± 2.6
66.0			134 ± 2.3		140 ± 2.5
100.0	91 ± 3.5	138 ± 7.0	156 ± 3.9	140 ± 6.5	172 ± 14.3
166.0			191 ± 3.7		198 ± 9.3
333.0	66 ± 5.5	169 ± 13.7	225 ± 19.0	200 ± 46.6	208 ± 7.9
666.0		219 ± 34.7	74 ± 12.2	246 ± 26.3	180 ± 2.7
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>				676 ± 63.4	696 ± 30.5
Positive Control <sup>3</sup>		488 ± 9.4	430 ± 19.9		
Positive Control <sup>4</sup>	1569 ± 21.7				

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Test Compound: Rhein (1,8-dihydroxy-3-carboxyl anthraquinone)

Time Report Requested: 08:26:33

CAS Number: 478-43-3

**Strain: TA98**

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	19 ± 1.8	45 ± 3.1	26 ± 5.4	33 ± 1.7	21 ± 2.3
3.0	21 ± 2.3				
10.0	24 ± 3.0	41 ± 7.2		22 ± 2.2	
33.0	26 ± 3.3	42 ± 5.5	37 ± 2.3	28 ± 0.3	21 ± 2.8
66.0			48 ± 3.5		29 ± 3.7
100.0	23 ± 1.0	45 ± 2.5	61 ± 4.2	30 ± 2.4	44 ± 2.3
166.0			78 ± 9.2		57 ± 14.0
333.0	27 ± 2.3	72 ± 4.9	111 ± 6.9	94 ± 7.5	68 ± 12.2
666.0		143 ± 12.3	73 ± 4.6	124 ± 11.2	98 ± 7.6
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>		122 ± 12.8	144 ± 5.8	308 ± 22.2	549 ± 19.3
Positive Control <sup>5</sup>	557 ± 17.4				

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**LEGEND**

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**\*\* END OF REPORT \*\***