

Experiment Number: 318705

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

**G06: Ames Summary Data**

Test Compound: **4,4'-Sulfonyldianiline (Dapsone)**

CAS Number: **80-08-0**

Date Report Requested: **09/12/2018**

Time Report Requested: **09:42:55**

**NTP Study Number:**

318705

**Study Result:**

Negative

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Test Compound: 4,4'-Sulfonyldianiline (Dapsone)

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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 <sup>1</sup>	131 ± 9.5	116 ± 21.4	160 ± 4.0	98 ± 13.5	158 ± 8.5
10.0	160 ± 23.5		152 ± 3.8		177 ± 26.2
33.3	120 ± 4.0	129 ± 11.5	152 ± 4.9	95 ± 4.9	143 ± 8.7
100.0	131 ± 9.8	115 ± 7.1	149 ± 12.7	109 ± 10.0	146 ± 7.4
333.3	94 ± 5.5	103 ± 1.3	103 ± 9.6	86 ± 5.4	116 ± 15.1
1000.0	78 ± 10.8	63 ± 6.4	70 ± 8.0	76 ± 1.8	96 ± 4.7
3333.3		Toxic		Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			781 ± 18.7	421 ± 21.4	1170 ± 20.6
Positive Control <sup>3</sup>	394 ± 21.7	431 ± 19.9			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	125 ± 9.4
10.0	
33.3	111 ± 7.5
100.0	116 ± 16.0
333.3	110 ± 16.0
1000.0	85 ± 4.6
3333.3	Toxic
Trial Summary	Negative
Positive Control <sup>2</sup>	1561 ± 53.0
Positive Control <sup>3</sup>	

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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 <sup>1</sup>	17 ± 0.9	13 ± 4.0	8 ± 0.6	4 ± 1.0	7 ± 1.3
10.0	10 ± 2.7		10 ± 2.2		5 ± 0.9
33.3	10 ± 2.1	13 ± 2.4	7 ± 0.3	6 ± 1.2	8 ± 1.2
100.0	7 ± 0.0	16 ± 1.2	11 ± 3.3	5 ± 0.9	9 ± 0.0
333.3	9 ± 1.5	9 ± 2.4	9 ± 1.5	7 ± 0.9	6 ± 0.9
1000.0	7 ± 1.0	2 ± 1.5	6 ± 0.9	1 ± 0.3	8 ± 1.0
3333.3		Toxic		Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	464 ± 15.5	369 ± 36.5			
Positive Control <sup>4</sup>			185 ± 24.7	241 ± 27.1	258 ± 19.2

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	6 ± 0.6
10.0	
33.3	9 ± 2.3
100.0	6 ± 1.7
333.3	5 ± 0.6
1000.0	5 ± 0.3
3333.3	Toxic
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	241 ± 18.0

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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 <sup>1</sup>	7 ± 0.9	6 ± 1.0	5 ± 1.2	5 ± 1.5	7 ± 1.7
10.0	7 ± 0.7		4 ± 0.7		6 ± 0.6
33.3	6 ± 2.6	5 ± 0.7	7 ± 0.3	11 ± 1.9	8 ± 0.3
100.0	4 ± 0.6	8 ± 0.7	7 ± 0.0	5 ± 1.2	6 ± 0.0
333.3	5 ± 0.6	6 ± 0.3	5 ± 0.7	6 ± 1.7	5 ± 1.0
1000.0	4 ± 0.7	4 ± 2.3	4 ± 1.2	5 ± 0.7	3 ± 0.6
3333.3		Toxic		Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			160 ± 31.0	135 ± 10.0	302 ± 8.2
Positive Control <sup>5</sup>		174 ± 5.9			
Positive Control <sup>6</sup>	107 ± 36.4				

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	6 ± 0.3
10.0	
33.3	7 ± 0.9
100.0	7 ± 0.7
333.3	6 ± 1.3
1000.0	7 ± 1.2
3333.3	Toxic
Trial Summary	Negative
Positive Control <sup>4</sup>	174 ± 11.5
Positive Control <sup>5</sup>	
Positive Control <sup>6</sup>	

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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 <sup>1</sup>	29 ± 6.0	20 ± 3.8	33 ± 2.7	23 ± 3.4	36 ± 2.0
10.0	22 ± 1.5		34 ± 2.7		40 ± 2.7
33.3	28 ± 2.9	22 ± 2.7	36 ± 4.0	25 ± 2.1	38 ± 7.6
100.0	25 ± 3.1	21 ± 3.2	38 ± 2.7	28 ± 1.2	39 ± 1.5
333.3	21 ± 3.2	21 ± 0.3	43 ± 4.0	22 ± 1.5	34 ± 8.6
1000.0	24 ± 1.0	19 ± 4.6	29 ± 0.6	25 ± 3.0	30 ± 3.5
3333.3		1 ± 1.0		Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			537 ± 33.4	203 ± 2.5	752 ± 47.4
Positive Control <sup>7</sup>	746 ± 70.2	673 ± 21.1			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	31 ± 3.2
10.0	
33.3	25 ± 3.5
100.0	21 ± 2.8
333.3	21 ± 3.2
1000.0	28 ± 1.7
3333.3	Toxic
Trial Summary	Negative
Positive Control <sup>2</sup>	1309 ± 46.7
Positive Control <sup>7</sup>	

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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: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

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