

Experiment Number: **G12103**

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

**G06: Ames Summary Data**

Test Compound: **Vinpocetine**

CAS Number: **42971-09-5**

Date Report Requested: **09/16/2018**

Time Report Requested: **03:37:44**

**NTP Study Number:**

G12103

**Study Result:**

Negative

Experiment Number: G12103  
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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	72 ± 5.2	76 ± 8.1	89 ± 7.9	89 ± 11.0
500.0	41 ± 4.8	42 ± 4.4	76 ± 4.3	77 ± 3.3
750.0	35 ± 1.9	44 ± 1.2	79 ± 5.5	69 ± 2.3
1000.0	55 ± 3.5	50 ± 2.1	65 ± 5.0	75 ± 4.7
2000.0	54 ± 5.0	50 ± 3.2	86 ± 0.6	89 ± 7.3
4000.0	62 ± 3.0	43 ± 1.9	98 ± 7.2	72 ± 6.7
6000.0	66 ± 5.6	52 ± 6.8	101 ± 4.4	75 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	662 ± 38.6	691 ± 14.7		
Positive Control <sup>3</sup>			732 ± 8.0	722 ± 19.9

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**Strain: TA98**

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Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	17 ± 1.0	14 ± 1.0	28 ± 2.5	22 ± 3.5
500.0	21 ± 3.7	12 ± 1.2	28 ± 5.2	29 ± 3.2
750.0	12 ± 0.9	9 ± 1.3	25 ± 4.6	21 ± 2.0
1000.0	21 ± 2.9	13 ± 2.9	22 ± 2.2	26 ± 0.9
2000.0	18 ± 2.6	9 ± 1.5	23 ± 4.5	21 ± 3.3
4000.0	16 ± 0.7	12 ± 2.3	19 ± 5.2	22 ± 4.9
6000.0	18 ± 5.6	12 ± 1.2	22 ± 4.5	21 ± 5.8
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			1174 ± 64.3	1214 ± 122.4
Positive Control <sup>5</sup>	642 ± 84.6	692 ± 186.2		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	159 ± 14.7	97 ± 3.5	151 ± 11.0	168 ± 12.3
500.0	141 ± 1.0	109 ± 3.5	200 ± 24.8	159 ± 5.8
750.0	135 ± 2.6	105 ± 4.1	191 ± 9.7	144 ± 7.9
1000.0	151 ± 8.4	105 ± 10.5	187 ± 6.7	175 ± 6.3
2000.0	152 ± 7.8	106 ± 11.8	196 ± 5.0	173 ± 4.3
4000.0	130 ± 4.9	111 ± 14.0	197 ± 8.0	143 ± 15.0
6000.0	126 ± 7.2	96 ± 5.8	186 ± 5.7	117 ± 20.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>6</sup>	1892 ± 52.3	2114 ± 215.8		
Positive Control <sup>7</sup>			1202 ± 38.0	1140 ± 47.2

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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 Sodium Azide
- 3: 2.0 ug/Plate Other Positive Control
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 3.0 ug/Plate 2-Nitrofluorene
- 6: 0.25 ug/Plate Other Positive Control
- 7: 20.0 ug/Plate 2-Aminoanthracene

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