

Experiment Number: 207088

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Amino-4-methylbenzothiazole

CAS Number: 1477-42-5

Date Report Requested: 09/14/2018

Time Report Requested: 14:31:56

**NTP Study Number:**

207088

**Study Result:**

Negative

Experiment Number: 207088

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2-Amino-4-methylbenzothiazole  
CAS Number: 1477-42-5

Date Report Requested: 09/14/2018

Time Report Requested: 14:31:56

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	105 ± 7.0	151 ± 8.7	150 ± 2.0	136 ± 0.6	155 ± 9.0
10.0	107 ± 3.7	133 ± 17.8			
33.0	128 ± 11.0	125 ± 13.5	156 ± 6.8	138 ± 9.9	168 ± 17.2
100.0	116 ± 6.2	120 ± 10.1	122 ± 7.5	137 ± 5.8	179 ± 11.0
333.0	99 ± 7.0	122 ± 9.0	137 ± 5.5	141 ± 4.7	147 ± 2.0
666.0	112 ± 6.8				
1000.0		0 ± 0.0 <sup>s</sup>	67 ± 1.7	134 ± 7.6	103 ± 11.9
1666.0			7 ± 1.3 <sup>s</sup>	38 ± 20.0 <sup>s</sup>	1 ± 0.6 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					746 ± 15.9
Positive Control <sup>3</sup>	528 ± 5.2	451 ± 24.9			
Positive Control <sup>4</sup>			684 ± 19.0		
Positive Control <sup>5</sup>				477 ± 24.5	

Experiment Number: 207088

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Amino-4-methylbenzothiazole  
CAS Number: 1477-42-5

Date Report Requested: 09/14/2018

Time Report Requested: 14:31:56

---

**Strain: TA100**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	120 ± 18.3
10.0	
33.0	138 ± 6.3
100.0	137 ± 12.4
333.0	110 ± 3.0
666.0	
1000.0	132 ± 8.8
1666.0	0 ± 0.0 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	564 ± 13.1
Positive Control <sup>5</sup>	

Experiment Number: 207088

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2-Amino-4-methylbenzothiazole  
CAS Number: 1477-42-5

Date Report Requested: 09/14/2018

Time Report Requested: 14:31:56

## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	20 ± 2.0	14 ± 2.3	11 ± 2.9	11 ± 1.5	10 ± 0.7
10.0	21 ± 0.0	10 ± 1.2			
33.0	21 ± 3.3	13 ± 2.3	6 ± 0.7	16 ± 2.6	7 ± 2.3
100.0	16 ± 1.2	10 ± 1.2	6 ± 1.7	16 ± 2.1	8 ± 1.0
333.0	13 ± 2.1	10 ± 0.9	5 ± 0.9	12 ± 1.2	11 ± 3.8
666.0	18 ± 3.0				
1000.0		7 ± 1.5	4 ± 0.6	13 ± 1.5	7 ± 0.6
1666.0			0 ± 0.0 <sup>s</sup>	5 ± 1.2	0 ± 0.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>					185 ± 18.9
Positive Control <sup>3</sup>	495 ± 46.0	435 ± 14.5			
Positive Control <sup>6</sup>			179 ± 7.7		
Positive Control <sup>7</sup>				111 ± 4.2	

Experiment Number: 207088

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Amino-4-methylbenzothiazole  
CAS Number: 1477-42-5

Date Report Requested: 09/14/2018

Time Report Requested: 14:31:56

---

**Strain: TA1535**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	15 ± 3.5
10.0	
33.0	10 ± 3.5
100.0	10 ± 2.2
333.0	8 ± 0.9
666.0	
1000.0	7 ± 0.9
1666.0	5 ± 0.9
Trial Summary	Negative
Positive Control <sup>4</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>6</sup>	492 ± 48.5
Positive Control <sup>7</sup>	

Experiment Number: 207088

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2-Amino-4-methylbenzothiazole  
CAS Number: 1477-42-5

Date Report Requested: 09/14/2018

Time Report Requested: 14:31:56

## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 1.9	4 ± 0.3	8 ± 2.0	15 ± 1.9	7 ± 2.1
10.0	6 ± 0.9	7 ± 2.7			
33.0	10 ± 0.6	5 ± 0.9	6 ± 1.2	18 ± 0.9	7 ± 2.0
100.0	7 ± 1.2	5 ± 0.6	9 ± 2.1	15 ± 2.6	7 ± 0.7
333.0	6 ± 0.9	8 ± 1.5	11 ± 4.0	17 ± 0.9	12 ± 3.2
666.0	6 ± 0.9				
1000.0		1 ± 1.0 <sup>s</sup>	5 ± 1.2	9 ± 3.7	7 ± 0.6
1666.0			0 ± 0.0 <sup>s</sup>	11 ± 1.2	0 ± 0.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					66 ± 0.9
Positive Control <sup>4</sup>			52 ± 2.0		
Positive Control <sup>6</sup>				51 ± 5.7	
Positive Control <sup>8</sup>	601 ± 51.8	385 ± 5.5			

Experiment Number: 207088

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Amino-4-methylbenzothiazole  
CAS Number: 1477-42-5

Date Report Requested: 09/14/2018

Time Report Requested: 14:31:56

---

**Strain: TA1537**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	20 ± 3.5
10.0	
33.0	17 ± 1.0
100.0	14 ± 3.8
333.0	18 ± 1.5
666.0	
1000.0	9 ± 0.9
1666.0	6 ± 1.2
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	50 ± 1.7
Positive Control <sup>6</sup>	
Positive Control <sup>8</sup>	

Experiment Number: 207088

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2-Amino-4-methylbenzothiazole  
CAS Number: 1477-42-5

Date Report Requested: 09/14/2018

Time Report Requested: 14:31:56

## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	140 ± 15.6	133 ± 8.7	205 ± 6.5	182 ± 13.3	183 ± 10.0
3.0		144 ± 15.2			185 ± 10.4
10.0	164 ± 1.2	123 ± 17.6	211 ± 4.3	214 ± 4.6	188 ± 5.9
33.0	155 ± 4.8	149 ± 7.5	227 ± 2.2	194 ± 2.0	204 ± 11.0
100.0	166 ± 6.8	132 ± 4.8	207 ± 9.2	221 ± 2.8	204 ± 7.2
333.0	113 ± 8.5	95 ± 4.2	156 ± 23.7	214 ± 0.3	178 ± 7.4
666.0	38 ± 10.3				
1000.0			56 ± 2.8	99 ± 13.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					519 ± 23.0
Positive Control <sup>4</sup>			434 ± 24.3		
Positive Control <sup>6</sup>				443 ± 10.0	
Positive Control <sup>8</sup>	584 ± 13.4	652 ± 1.2			



Experiment Number: 207088

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Amino-4-methylbenzothiazole  
CAS Number: 1477-42-5

Date Report Requested: 09/14/2018

Time Report Requested: 14:31:56

---

**Strain: TA97**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	208 ± 3.5
3.0	205 ± 4.8
10.0	189 ± 12.7
33.0	199 ± 7.3
100.0	153 ± 17.7
333.0	196 ± 2.7
666.0	
1000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	428 ± 7.0
Positive Control <sup>6</sup>	
Positive Control <sup>8</sup>	

Experiment Number: 207088

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2-Amino-4-methylbenzothiazole

CAS Number: 1477-42-5

Date Report Requested: 09/14/2018

Time Report Requested: 14:31:56

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	21 ± 1.5	15 ± 2.3	22 ± 2.0	21 ± 3.8	21 ± 1.2
10.0	20 ± 3.2	12 ± 1.9			
33.0	22 ± 3.3	12 ± 1.2	26 ± 1.5	26 ± 0.9	27 ± 7.3
100.0	20 ± 0.7	11 ± 1.2	25 ± 2.6	31 ± 4.5	21 ± 1.9
333.0	15 ± 3.5	12 ± 3.1	25 ± 2.6	36 ± 0.9	21 ± 1.7
666.0	19 ± 3.0				
1000.0		1 ± 0.6 <sup>s</sup>	21 ± 2.3	19 ± 4.3	25 ± 1.5
1666.0			16 ± 5.2	11 ± 5.7 <sup>s</sup>	6 ± 3.2 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					490 ± 13.2
Positive Control <sup>4</sup>			373 ± 15.2	113 ± 11.7	
Positive Control <sup>9</sup>	603 ± 42.7	412 ± 8.5			

Experiment Number: 207088

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Amino-4-methylbenzothiazole

CAS Number: 1477-42-5

Date Report Requested: 09/14/2018

Time Report Requested: 14:31:56

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	29 ± 1.2
10.0	
33.0	33 ± 2.0
100.0	28 ± 2.7
333.0	42 ± 3.7
666.0	
1000.0	36 ± 2.3
1666.0	0 ± 0.0 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	376 ± 12.3
Positive Control <sup>9</sup>	

Experiment Number: 207088

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Amino-4-methylbenzothiazole

CAS Number: 1477-42-5

Date Report Requested: 09/14/2018

Time Report Requested: 14:31:56

**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: 2.0 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 2-Aminoanthracene

7: 5.0 ug/Plate 2-Aminoanthracene

8: 50.0 ug/Plate 9-Aminoacridine

9: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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