

Experiment Number: 832791

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

G06: Ames Summary Data

Test Compound: **2-Amino-6-nitrobenzothiazole**

CAS Number: **6285-57-0**

Date Report Requested: **09/15/2018**

Time Report Requested: **19:38:51**

NTP Study Number:

832791

Study Result:

Positive

Experiment Number: 832791

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-6-nitrobenzothiazole

CAS Number: 6285-57-0

Date Report Requested: 09/15/2018

Time Report Requested: 19:38:51

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	106 ± 1.5	90 ± 4.5	155 ± 5.2	154 ± 9.6	156 ± 11.3
100.0	121 ± 7.5	82 ± 5.3	245 ± 15.7	244 ± 12.3	1529 ± 66.0
333.0	171 ± 8.1	118 ± 1.8	367 ± 36.0	375 ± 31.4	1051 ± 100.2
1000.0	256 ± 3.3	155 ± 15.5 ^P	506 ± 14.9	403 ± 29.0 ^P	1038 ± 46.0
3333.0	293 ± 10.6 ^P	167 ± 6.7 ^P	535 ± 10.1 ^P	459 ± 17.3 ^P	1205 ± 55.9 ^P
10000.0	347 ± 29.3 ^P	265 ± 8.1 ^P	591 ± 55.3 ^P	482 ± 37.8 ^P	1269 ± 65.5 ^P
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²			724 ± 43.0	879 ± 44.3	734 ± 43.5
Positive Control ³	559 ± 69.1	609 ± 2.0			

Experiment Number: 832791

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-6-nitrobenzothiazole

CAS Number: 6285-57-0

Date Report Requested: 09/15/2018

Time Report Requested: 19:38:51

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	177 ± 10.7
100.0	394 ± 2.6
333.0	436 ± 36.0
1000.0	695 ± 2.2 ^p
3333.0	680 ± 30.2 ^p
10000.0	847 ± 38.5 ^p
Trial Summary	Positive
Positive Control ²	891 ± 55.2
Positive Control ³	

Experiment Number: 832791

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-6-nitrobenzothiazole
CAS Number: 6285-57-0

Date Report Requested: 09/15/2018

Time Report Requested: 19:38:51

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.2	6 ± 2.2	16 ± 1.5	9 ± 2.3	18 ± 1.2
100.0	18 ± 1.5	14 ± 1.8	33 ± 2.1	27 ± 3.7	84 ± 2.4
333.0	29 ± 3.5	22 ± 3.7	61 ± 3.3	35 ± 3.0	62 ± 2.0
1000.0	24 ± 0.6	20 ± 2.8 ^p	65 ± 8.1	45 ± 3.8 ^p	100 ± 11.6
3333.0	17 ± 1.9 ^p	10 ± 1.5 ^p	45 ± 2.6 ^p	37 ± 2.2 ^p	42 ± 3.9 ^p
10000.0	10 ± 3.0 ^p	4 ± 1.2 ^p	40 ± 3.4 ^p	48 ± 11.5 ^p	50 ± 6.0 ^p
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ⁴			165 ± 11.3	200 ± 25.0	321 ± 26.1
Positive Control ³	501 ± 70.2	229 ± 12.9			

Experiment Number: 832791

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-6-nitrobenzothiazole

CAS Number: 6285-57-0

Date Report Requested: 09/15/2018

Time Report Requested: 19:38:51

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 3.1
100.0	50 ± 3.7
333.0	41 ± 3.8
1000.0	28 ± 2.7 ^P
3333.0	65 ± 8.8 ^P
10000.0	64 ± 2.5 ^P
Trial Summary	Positive
Positive Control ⁴	335 ± 11.3
Positive Control ³	

Experiment Number: 832791

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-6-nitrobenzothiazole
CAS Number: 6285-57-0

Date Report Requested: 09/15/2018

Time Report Requested: 19:38:51

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	5 ± 0.9	5 ± 0.9	5 ± 1.7	15 ± 1.9	6 ± 2.3
10.0			3 ± 0.3		
33.0			5 ± 1.2		
100.0	19 ± 10.5	2 ± 1.2	6 ± 2.3	59 ± 10.6	18 ± 1.0
333.0	10 ± 1.3	5 ± 1.5	8 ± 0.9	96 ± 14.3	24 ± 1.5
1000.0	12 ± 1.9	6 ± 1.5 ^p	5 ± 1.2 ^p	53 ± 11.1	25 ± 2.0 ^p
3333.0	6 ± 1.5 ^p	7 ± 1.2 ^p		28 ± 1.2 ^p	25 ± 3.2 ^p
10000.0	0 ± 0.0 ^p	2 ± 0.7 ^p		29 ± 2.3 ^p	24 ± 1.2 ^p
Trial Summary	Equivocal	Negative	Negative	Positive	Positive
Positive Control ⁴				91 ± 12.0	67 ± 2.8
Positive Control ⁵	97 ± 41.2	308 ± 84.2	663 ± 96.0		

Experiment Number: 832791

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-6-nitrobenzothiazole
CAS Number: 6285-57-0

Date Report Requested: 09/15/2018

Time Report Requested: 19:38:51

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.9	7 ± 1.2
10.0		
33.0		
100.0	28 ± 4.4	31 ± 5.3
333.0	43 ± 7.5	38 ± 7.9
1000.0	61 ± 8.2	48 ± 7.2 ^p
3333.0	55 ± 4.4 ^p	33 ± 7.5 ^p
10000.0	34 ± 1.9 ^p	21 ± 6.6 ^p
Trial Summary	Positive	Positive
Positive Control ⁴	62 ± 2.2	81 ± 4.7
Positive Control ⁵		

Experiment Number: 832791

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-6-nitrobenzothiazole
CAS Number: 6285-57-0

Date Report Requested: 09/15/2018

Time Report Requested: 19:38:51

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 0.3	26 ± 4.3	26 ± 0.3	32 ± 0.9	26 ± 1.5
100.0	18 ± 3.5	46 ± 3.5	34 ± 4.0	136 ± 9.2	53 ± 2.9
333.0	34 ± 2.3	56 ± 3.6	47 ± 7.0	119 ± 8.0	80 ± 2.9
1000.0	45 ± 5.4 ^P	95 ± 4.7	55 ± 3.8 ^P	137 ± 8.1	83 ± 1.5 ^P
3333.0	84 ± 4.6 ^P	95 ± 7.0 ^P	71 ± 6.4 ^P	133 ± 5.9 ^P	83 ± 1.5 ^P
10000.0	93 ± 5.3 ^P	107 ± 3.0 ^P	96 ± 3.5 ^P	132 ± 7.1 ^P	76 ± 5.6 ^P
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²		290 ± 28.8	569 ± 33.8	424 ± 32.5	706 ± 30.0
Positive Control ⁶	260 ± 8.6				

Experiment Number: 832791

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-6-nitrobenzothiazole
CAS Number: 6285-57-0

Date Report Requested: 09/15/2018

Time Report Requested: 19:38:51

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	15 ± 3.2
100.0	42 ± 1.2
333.0	56 ± 4.2
1000.0	68 ± 9.4 ^P
3333.0	80 ± 2.3 ^P
10000.0	71 ± 7.3 ^P
Trial Summary	Positive
Positive Control ²	1107 ± 50.4
Positive Control ⁶	

Experiment Number: 832791

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

G06: Ames Summary Data

Test Compound: **2-Amino-6-nitrobenzothiazole**

CAS Number: **6285-57-0**

Date Report Requested: **09/15/2018**

Time Report Requested: **19:38:51**

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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****