

Experiment Number: 207421

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

G06: Ames Summary Data

Test Compound: **2,4-Diaminoanisoole sulfate**

CAS Number: **39156-41-7**

Date Report Requested: **09/14/2018**

Time Report Requested: **14:35:43**

NTP Study Number:

207421

Study Result:

Positive

Experiment Number: 207421

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,4-Diaminoanisoole sulfate

CAS Number: 39156-41-7

Date Report Requested: 09/14/2018

Time Report Requested: 14:35:43

Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	131 ± 6.0	112 ± 6.4	145 ± 7.7	137 ± 8.4	99 ± 7.3
1.0					
3.0			120 ± 15.5	141 ± 6.8	
10.0			139 ± 14.9	171 ± 10.1	
33.0			150 ± 24.7	212 ± 3.9	
100.0	126 ± 7.4	271 ± 10.4	231 ± 7.5	272 ± 6.6	340 ± 27.1
166.0			287 ± 18.0	305 ± 8.8	
333.0	121 ± 7.8	275 ± 23.8			137 ± 3.0
1000.0	140 ± 7.0	193 ± 17.2			258 ± 22.2
3333.0	133 ± 14.2	170 ± 19.1			140 ± 4.7
10000.0	15 ± 4.8 ^x	92 ± 21.2 ^p			84 ± 13.8 ^p
Trial Summary	Negative	Equivocal	Positive	Positive	Equivocal
Positive Control ²					806 ± 63.9
Positive Control ³		512 ± 8.7	599 ± 85.0	461 ± 58.8	
Positive Control ⁴	422 ± 7.9				

Experiment Number: 207421

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,4-Diaminoanisoole sulfate
CAS Number: 39156-41-7

Date Report Requested: 09/14/2018

Time Report Requested: 14:35:43

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	157 ± 11.0	149 ± 5.3
1.0	141 ± 12.3	
3.0	151 ± 8.7	158 ± 2.1
10.0	168 ± 3.7	165 ± 8.2
33.0	179 ± 9.6	220 ± 13.0
100.0	292 ± 13.7	302 ± 8.6
166.0		392 ± 1.5
333.0		
1000.0		
3333.0		
10000.0		
Trial Summary	Positive	Positive
Positive Control ²	872 ± 17.2	778 ± 32.0
Positive Control ³		
Positive Control ⁴		

Experiment Number: 207421

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,4-Diaminoanisoole sulfate

CAS Number: 39156-41-7

Date Report Requested: 09/14/2018

Time Report Requested: 14:35:43

Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 2.0	7 ± 0.3	11 ± 0.3
100.0	20 ± 0.7	11 ± 1.5	11 ± 2.2
333.0	20 ± 3.9	8 ± 1.2	10 ± 1.3
1000.0	22 ± 1.5	10 ± 0.9	9 ± 2.0
3333.0	11 ± 1.8	11 ± 1.2	10 ± 0.9
10000.0	0 ± 0.0 ^x	4 ± 1.5 ^p	1 ± 0.9 ^p
Trial Summary	Negative	Negative	Negative
Positive Control ³			320 ± 19.4
Positive Control ⁴	350 ± 25.8		
Positive Control ⁵		173 ± 16.7	

Experiment Number: 207421

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,4-Diaminoanisoole sulfate

CAS Number: 39156-41-7

Date Report Requested: 09/14/2018

Time Report Requested: 14:35:43

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	129 ± 9.0	189 ± 5.9	195 ± 4.9	193 ± 4.3	199 ± 0.9
1.0					
3.0				270 ± 13.0	
10.0				291 ± 15.3	
33.0				346 ± 10.5	
66.0					
100.0	156 ± 14.2	245 ± 16.8	608 ± 51.9	560 ± 16.3	999 ± 48.9
166.0				801 ± 54.0	
333.0	180 ± 8.9	236 ± 4.2	1007 ± 59.6		1354 ± 99.7
666.0		260 ± 11.5			
1000.0	232 ± 15.6	284 ± 2.1	695 ± 44.9		685 ± 53.4
1666.0		319 ± 15.3			
3333.0	24 ± 9.8 ^s		243 ± 39.0		220 ± 32.6
10000.0	0 ± 0.0 ^x		0 ± 0.0 ^x		1 ± 0.6 ^x
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					433 ± 28.1
Positive Control ³			371 ± 1.0	493 ± 5.8	
Positive Control ⁶	495 ± 43.0	610 ± 11.6			

Experiment Number: 207421

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

G06: Ames Summary Data

Test Compound: **2,4-Diaminoanisole sulfate**

CAS Number: **39156-41-7**

Date Report Requested: **09/14/2018**

Time Report Requested: **14:35:43**

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	200 ± 3.3
1.0	271 ± 7.8
3.0	296 ± 2.3
10.0	330 ± 12.3
33.0	505 ± 28.9
66.0	735 ± 31.1
100.0	
166.0	
333.0	
666.0	
1000.0	
1666.0	
3333.0	
10000.0	
Trial Summary	Positive
Positive Control ²	649 ± 18.2
Positive Control ³	
Positive Control ⁶	

Experiment Number: 207421

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,4-Diaminoanazole sulfate

CAS Number: 39156-41-7

Date Report Requested: 09/14/2018

Time Report Requested: 14:35:43

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 2.8	19 ± 0.7	26 ± 1.2	28 ± 6.1	33 ± 2.2
1.0				27 ± 5.2	
3.0				57 ± 18.1	
10.0				143 ± 11.4	
33.0				295 ± 14.2	
66.0					
100.0	26 ± 2.9		826 ± 56.0	789 ± 14.3	1668 ± 127.2
333.0	29 ± 2.4	25 ± 3.5	1331 ± 79.4		2008 ± 142.8
666.0		34 ± 3.5			
1000.0	57 ± 3.5	41 ± 3.7	923 ± 19.8		1106 ± 87.3
1666.0		59 ± 4.0			
3333.0	80 ± 6.0	58 ± 5.3	225 ± 6.1		171 ± 18.9
10000.0	5 ± 3.3 ^x		66 ± 13.2 ^p		25 ± 0.9 ^p
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					691 ± 15.4
Positive Control ³			345 ± 7.1	411 ± 52.5	
Positive Control ⁷	588 ± 28.8	635 ± 79.7			

Experiment Number: 207421

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,4-Diaminoanazole sulfate

CAS Number: 39156-41-7

Date Report Requested: 09/14/2018

Time Report Requested: 14:35:43

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	40 ± 6.2
1.0	99 ± 14.2
3.0	149 ± 0.6
10.0	264 ± 4.2
33.0	664 ± 68.5
66.0	1043 ± 73.1
100.0	
333.0	
666.0	
1000.0	
1666.0	
3333.0	
10000.0	
Trial Summary	Positive
Positive Control ²	587 ± 24.0
Positive Control ³	
Positive Control ⁷	

Experiment Number: 207421

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

G06: Ames Summary Data

Test Compound: **2,4-Diaminoanisole sulfate**

CAS Number: **39156-41-7**

Date Report Requested: **09/14/2018**

Time Report Requested: **14:35:43**

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 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****