

Experiment Number: 683460

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N'-Di-sec-butyl-p-phenyldiamine

CAS Number: 101-96-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:19:39

NTP Study Number:

683460

Study Result:

Negative

Experiment Number: 683460

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N'-Di-sec-butyl-p-phenyldiamine
CAS Number: 101-96-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:19:39

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	104 ± 8.2	92 ± 3.2	138 ± 18.4	89 ± 3.8	128 ± 10.5
0.3		99 ± 10.2			
1.0	94 ± 3.8	93 ± 3.0			
3.0	91 ± 1.9	96 ± 14.5		119 ± 14.8	
10.0	105 ± 5.4	97 ± 5.5	151 ± 7.2	121 ± 7.4	93 ± 2.8
16.0		75 ± 37.4			
33.0	114 ± 7.2		131 ± 7.6	122 ± 4.6	99 ± 4.9
66.0			131 ± 7.2		103 ± 14.0
100.0	Toxic		132 ± 4.4	138 ± 11.2	131 ± 16.8
166.0			146 ± 8.9		149 ± 16.2
333.0			48 ± 2.4 ^s	107 ± 8.5 ^s	65 ± 12.5 ^s
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ²					
Positive Control ³			1374 ± 32.3	426 ± 13.9	874 ± 46.2
Positive Control ⁴	563 ± 7.9	329 ± 4.1			

Experiment Number: 683460

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N'-Di-sec-butyl-p-phenyldiamine
CAS Number: 101-96-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:19:39

Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	138 ± 4.6	133 ± 3.6	94 ± 8.8	127 ± 7.6	154 ± 9.1
0.3					
1.0					
3.0	133 ± 13.6		97 ± 6.6		128 ± 17.8
10.0	135 ± 12.1	117 ± 5.1	105 ± 3.7	108 ± 8.0	127 ± 10.7
16.0					
33.0	132 ± 9.8	132 ± 10.8	98 ± 11.0	122 ± 4.7	154 ± 8.4
66.0		135 ± 7.2		118 ± 4.3	
100.0	146 ± 4.7	125 ± 9.8	131 ± 9.1	148 ± 3.3	150 ± 16.7
166.0	157 ± 8.7	65 ± 1.2 ^s		158 ± 6.5	148 ± 17.2
333.0		7 ± 3.8 ^s	97 ± 6.9 ^s	60 ± 8.3 ^s	
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²		1549 ± 70.9	548 ± 14.0	1091 ± 52.3	
Positive Control ³	287 ± 5.4				664 ± 23.0
Positive Control ⁴					

Experiment Number: 683460

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N'-Di-sec-butyl-p-phenyldiamine
CAS Number: 101-96-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:19:39

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	24 ± 2.0	16 ± 3.6	12 ± 2.2	20 ± 2.9	13 ± 0.6
0.3		17 ± 2.3			
1.0	22 ± 1.8	14 ± 1.5			
3.0	22 ± 2.8	20 ± 2.5	10 ± 2.1	14 ± 0.9	11 ± 2.3
10.0	25 ± 2.7	12 ± 0.5	9 ± 1.3	14 ± 3.5	9 ± 1.0
16.0		13 ± 3.0			
33.0	16 ± 4.8		11 ± 1.5	16 ± 4.2	12 ± 1.5
100.0	Toxic		12 ± 1.9	18 ± 1.3	10 ± 2.7
166.0				13 ± 0.7	
333.0			7 ± 1.2		9 ± 3.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					270 ± 21.7
Positive Control ⁴	378 ± 11.1	296 ± 8.2			
Positive Control ⁵			165 ± 8.4	91 ± 9.4	

Experiment Number: 683460

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N'-Di-sec-butyl-p-phenyldiamine
CAS Number: 101-96-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:19:39

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	16 ± 1.2
0.3	
1.0	
3.0	11 ± 1.8
10.0	13 ± 2.6
16.0	
33.0	19 ± 2.3
100.0	16 ± 2.2
166.0	13 ± 0.7
333.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	484 ± 9.1

Experiment Number: 683460

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N'-Di-sec-butyl-p-phenyldiamine
CAS Number: 101-96-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:19:39

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	145 ± 2.7	132 ± 4.6	144 ± 5.8	177 ± 10.4	155 ± 11.8
0.3		142 ± 3.3			
1.0	143 ± 4.8	166 ± 11.1	176 ± 8.4		
3.0	154 ± 3.8	144 ± 5.1	177 ± 8.4	178 ± 12.2	154 ± 3.0
10.0	150 ± 2.3	170 ± 12.0	189 ± 8.3	187 ± 1.8	173 ± 9.9
16.0		193 ± 1.5	171 ± 4.4		
33.0	174 ± 3.8		141 ± 19.3	191 ± 3.2	158 ± 17.7
66.0			0 ± 0.0 ^s		
100.0	Toxic		0 ± 0.0 ^s	177 ± 7.5	147 ± 9.5
166.0					167 ± 6.7
333.0				109 ± 17.3 ^s	
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				336 ± 3.2	
Positive Control ⁵					340 ± 18.9
Positive Control ⁶	768 ± 102.2	927 ± 42.4	633 ± 62.4		

Experiment Number: 683460

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N'-Di-sec-butyl-p-phenyldiamine
CAS Number: 101-96-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:19:39

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	149 ± 3.5	183 ± 15.4
0.3		
1.0		
3.0	168 ± 5.0	178 ± 14.4
10.0	160 ± 2.7	174 ± 15.0
16.0		
33.0	163 ± 4.9	177 ± 18.5
66.0		
100.0	141 ± 4.0	178 ± 3.2
166.0		142 ± 6.9
333.0	15 ± 9.0 ^s	
Trial Summary	Negative	Negative
Positive Control ²	395 ± 17.5	
Positive Control ³		344 ± 6.7
Positive Control ⁵		
Positive Control ⁶		

Experiment Number: 683460

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N'-Di-sec-butyl-p-phenyldiamine
CAS Number: 101-96-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:19:39

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 0.9	10 ± 5.0	34 ± 3.5	53 ± 1.7	30 ± 3.5
0.3		19 ± 0.6			
1.0	14 ± 0.7	14 ± 1.7			
3.0	13 ± 1.5	14 ± 0.6	29 ± 5.6	44 ± 3.3	37 ± 0.7
10.0	13 ± 0.9	14 ± 4.1	30 ± 4.0	41 ± 5.2	30 ± 4.0
16.0		18 ± 1.0			
33.0	10 ± 0.9		29 ± 2.3	45 ± 2.0	25 ± 4.0
100.0	Toxic		20 ± 1.3	43 ± 6.0	22 ± 1.9
166.0				43 ± 5.4	
333.0			17 ± 1.2		25 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					363 ± 10.8
Positive Control ³			255 ± 23.2	157 ± 9.3	
Positive Control ⁷	508 ± 7.0	547 ± 17.3			

Experiment Number: 683460

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N'-Di-sec-butyl-p-phenyldiamine
CAS Number: 101-96-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:19:39

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	51 ± 3.7
0.3	
1.0	
3.0	51 ± 1.8
10.0	44 ± 5.7
16.0	
33.0	44 ± 2.1
100.0	45 ± 2.6
166.0	40 ± 6.7
333.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	449 ± 22.3
Positive Control ⁷	

Experiment Number: 683460

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N'-Di-sec-butyl-p-phenyldiamine

CAS Number: 101-96-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:19:39

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

s: Slight Toxicity

**** END OF REPORT ****