

Experiment Number: 783382

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)

CAS Number: 69655-05-6

Date Report Requested: 09/18/2018

Time Report Requested: 01:50:37

NTP Study Number:

783382

Study Result:

Weakly Positive

Experiment Number: 783382

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)

CAS Number: 69655-05-6

Date Report Requested: 09/18/2018

Time Report Requested: 01:50:37

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9
Vehicle Control ¹	119 ± 8.0	112 ± 13.1	111 ± 7.0	105 ± 8.4	121 ± 5.3
0.03				109 ± 5.6	117 ± 2.7
0.1		106 ± 4.3	114 ± 5.5	108 ± 14.7	111 ± 1.8
0.3	129 ± 2.5	96 ± 4.7	103 ± 10.3	116 ± 6.7	119 ± 8.3
1.0	137 ± 7.7	114 ± 6.9	112 ± 6.1	124 ± 4.0	126 ± 6.6
3.0	146 ± 4.6	115 ± 0.9	103 ± 6.5	135 ± 13.9	124 ± 5.5
6.0		109 ± 5.0	100 ± 5.6		
10.0	73 ± 6.3				
16.0	48 ± 2.9 ^s				
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				525 ± 10.3	382 ± 22.7
Positive Control ⁴					
Positive Control ⁵	450 ± 15.7	709 ± 14.7	341 ± 17.7		

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Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	139 ± 6.6	162 ± 5.2	130 ± 5.4	101 ± 5.0	111 ± 1.5
0.03	130 ± 2.6		145 ± 6.9	109 ± 9.0	100 ± 3.6
0.1	134 ± 4.9		132 ± 1.9	134 ± 11.5	118 ± 8.6
0.3	118 ± 4.8	168 ± 10.2	143 ± 10.1	109 ± 2.1	119 ± 9.1
1.0	131 ± 2.4	191 ± 15.0	151 ± 6.7	117 ± 6.4	129 ± 9.8
3.0	135 ± 3.8	188 ± 5.7	161 ± 7.1	142 ± 3.5	133 ± 11.3
6.0					
10.0		109 ± 7.2			
16.0		79 ± 0.9			
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ²				1054 ± 16.0	860 ± 64.9
Positive Control ³	460 ± 4.7				
Positive Control ⁴		365 ± 19.8	427 ± 37.8		
Positive Control ⁵					

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	123 ± 0.9	127 ± 6.7	140 ± 3.8
0.03	138 ± 3.7		128 ± 6.7
0.1	133 ± 13.6		129 ± 11.3
0.3	131 ± 1.8	156 ± 9.4	126 ± 5.5
1.0	131 ± 3.8	162 ± 13.0	135 ± 6.7
3.0	155 ± 3.1	145 ± 11.8	152 ± 11.1
6.0			
10.0		130 ± 3.8	
16.0		97 ± 0.9	
Trial Summary	Negative	Equivocal	Negative
Positive Control ²	717 ± 17.0		
Positive Control ³		561 ± 12.1	453 ± 28.8
Positive Control ⁴			
Positive Control ⁵			

Experiment Number: 783382

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)

CAS Number: 69655-05-6

Date Report Requested: 09/18/2018

Time Report Requested: 01:50:37

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.7	8 ± 0.7	13 ± 0.9	13 ± 0.7	11 ± 1.7
0.03			6 ± 0.7	11 ± 3.0	8 ± 1.5
0.1	6 ± 1.2	5 ± 0.9	7 ± 0.7	11 ± 1.5	7 ± 2.0
0.3	9 ± 1.2	9 ± 0.7	9 ± 2.0	7 ± 2.0	5 ± 1.2
1.0	5 ± 0.0	7 ± 1.0	7 ± 1.2	11 ± 0.6	10 ± 1.8
3.0	7 ± 2.1	4 ± 0.3	10 ± 2.3	9 ± 1.2	7 ± 0.6
6.0	5 ± 1.3	5 ± 1.2			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					56 ± 0.9
Positive Control ⁴			55 ± 6.1		
Positive Control ⁵	252 ± 7.7	307 ± 43.6			
Positive Control ⁶				75 ± 0.6	

Experiment Number: 783382
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)
CAS Number: 69655-05-6

Date Report Requested: 09/18/2018
Time Report Requested: 01:50:37

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 1.2
0.03	11 ± 1.7
0.1	8 ± 2.7
0.3	8 ± 1.0
1.0	7 ± 1.2
3.0	8 ± 1.5
6.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	221 ± 21.9
Positive Control ⁵	
Positive Control ⁶	

Experiment Number: 783382

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)

CAS Number: 69655-05-6

Date Report Requested: 09/18/2018

Time Report Requested: 01:50:37

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	207 ± 5.6	217 ± 7.1	196 ± 11.7	205 ± 3.5	210 ± 13.2
0.03			192 ± 9.9	239 ± 10.4	212 ± 8.3
0.1	219 ± 6.2	211 ± 6.5	208 ± 2.3	244 ± 11.5	224 ± 3.5
0.3	216 ± 6.2	220 ± 2.9	204 ± 5.0	237 ± 10.4	191 ± 14.7
1.0	233 ± 1.7	215 ± 2.6	223 ± 7.1	219 ± 13.7	205 ± 5.5
3.0	220 ± 5.5	230 ± 7.4	215 ± 3.8	235 ± 4.0	220 ± 10.5
6.0	222 ± 7.9	233 ± 4.1			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					565 ± 49.9
Positive Control ³			379 ± 22.1		
Positive Control ⁴				379 ± 22.2	
Positive Control ⁷	380 ± 57.7	447 ± 12.2			

Experiment Number: 783382
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)
CAS Number: 69655-05-6

Date Report Requested: 09/18/2018
Time Report Requested: 01:50:37

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	199 ± 13.0
0.03	215 ± 7.5
0.1	209 ± 4.4
0.3	194 ± 7.1
1.0	206 ± 5.1
3.0	193 ± 17.1
6.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	420 ± 31.8
Positive Control ⁴	
Positive Control ⁷	

Experiment Number: 783382

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)

CAS Number: 69655-05-6

Date Report Requested: 09/18/2018

Time Report Requested: 01:50:37

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	22 ± 2.7	18 ± 2.0	19 ± 1.9	23 ± 1.3	18 ± 0.7
0.03			15 ± 0.0		17 ± 0.7
0.1		15 ± 2.4	15 ± 2.5		14 ± 2.6
0.3	18 ± 1.2	12 ± 0.6	19 ± 0.9	25 ± 2.6	18 ± 2.1
1.0	19 ± 2.5	15 ± 1.0	17 ± 1.2	28 ± 1.3	16 ± 1.2
3.0	15 ± 0.3	13 ± 0.7	14 ± 1.5	25 ± 1.2	15 ± 2.7
6.0		11 ± 1.0			
10.0	14 ± 0.7			8 ± 1.0	
16.0	9 ± 2.8			6 ± 2.2	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					676 ± 30.6
Positive Control ³			348 ± 22.0	82 ± 3.5	
Positive Control ⁸	379 ± 16.8	753 ± 43.6			

Experiment Number: 783382

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

G06: Ames Summary Data

Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)

CAS Number: 69655-05-6

Date Report Requested: 09/18/2018

Time Report Requested: 01:50:37

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	31 ± 3.2
0.03	
0.1	
0.3	22 ± 1.7
1.0	18 ± 1.2
3.0	24 ± 2.3
6.0	
10.0	20 ± 1.0
16.0	14 ± 3.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	330 ± 15.3
Positive Control ⁸	

Experiment Number: 783382

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)

CAS Number: 69655-05-6

Date Report Requested: 09/18/2018

Time Report Requested: 01:50:37

Strain: TA102

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9
Vehicle Control ¹	108 ± 2.2	216 ± 3.7	302 ± 5.0	384 ± 7.4	350 ± 3.8
0.03				395 ± 15.9	371 ± 3.9
0.1	135 ± 16.1	202 ± 24.7	279 ± 8.4	426 ± 22.2	360 ± 9.9
0.3	162 ± 8.7	175 ± 16.4	297 ± 6.5	446 ± 9.4	364 ± 17.0
1.0	146 ± 11.6	174 ± 2.5	308 ± 10.5	426 ± 19.1	362 ± 8.7
3.0	162 ± 5.5	196 ± 7.2	327 ± 11.6	450 ± 8.4	376 ± 14.1
6.0	188 ± 3.5	256 ± 7.8	290 ± 21.9		
Trial Summary	Weakly Positive	Equivocal	Negative	Equivocal	Negative
Positive Control ⁹	541 ± 8.0	600 ± 16.3	783 ± 36.8		
Positive Control ⁶					
Positive Control ¹⁰				669 ± 34.6	632 ± 2.1

Experiment Number: 783382

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)

CAS Number: 69655-05-6

Date Report Requested: 09/18/2018

Time Report Requested: 01:50:37

Strain: TA102

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	280 ± 27.6	292 ± 17.9	416 ± 27.4	356 ± 10.0	239 ± 18.2
0.03	267 ± 10.2	277 ± 14.3	410 ± 8.3	326 ± 3.8	251 ± 3.7
0.1	271 ± 10.6	283 ± 5.7	412 ± 13.6	352 ± 3.2	266 ± 25.2
0.3	280 ± 7.9	278 ± 13.7	413 ± 17.1	347 ± 14.8	249 ± 4.3
1.0	311 ± 5.2	306 ± 10.3	417 ± 4.5	334 ± 12.0	282 ± 20.7
3.0	360 ± 6.6	310 ± 8.8	437 ± 21.7	366 ± 9.6	266 ± 5.2
6.0					
Trial Summary	Equivocal	Negative	Negative	Negative	Equivocal
Positive Control ⁹					
Positive Control ⁶			787 ± 55.5	1114 ± 66.5	450 ± 10.9
Positive Control ¹⁰	443 ± 22.9	400 ± 7.0			

Experiment Number: 783382

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)

CAS Number: 69655-05-6

Date Report Requested: 09/18/2018

Time Report Requested: 01:50:37

Strain: TA102

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	263 ± 11.7
0.03	310 ± 1.5
0.1	289 ± 8.2
0.3	294 ± 11.4
1.0	307 ± 6.6
3.0	336 ± 22.5
6.0	
Trial Summary	Negative
Positive Control ⁹	
Positive Control ⁶	386 ± 12.9
Positive Control ¹⁰	

Experiment Number: 783382

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)

CAS Number: 69655-05-6

Date Report Requested: 09/18/2018

Time Report Requested: 01:50:37

Strain: TA104

Dose (ug/Plate)	Without S9	Without S9	Without S9	Without S9	With 5% Rat S9
Vehicle Control ¹	324 ± 15.1	572 ± 8.2	454 ± 5.2	342 ± 7.7	493 ± 13.2
0.003					
0.01					504 ± 8.9
0.03					518 ± 6.8
0.1	318 ± 12.2	548 ± 13.9		382 ± 12.2	540 ± 3.3
0.16					
0.3	323 ± 7.9	566 ± 21.5	523 ± 27.0	381 ± 15.6	583 ± 19.7
0.6			569 ± 17.5	419 ± 5.9	
1.0	359 ± 18.9	616 ± 18.3	583 ± 17.4	428 ± 6.2	407 ± 204.8
1.6			600 ± 20.5	456 ± 24.4	
3.0	319 ± 15.9	606 ± 10.5	567 ± 13.0	322 ± 75.1	
6.0	149 ± 49.9	586 ± 15.1			
Trial Summary	Negative	Negative	Weakly Positive	Weakly Positive	Weakly Positive
Positive Control ⁴					
Positive Control ⁶					1030 ± 26.0
Positive Control ¹¹	447 ± 7.2	928 ± 15.2	883 ± 61.9	1031 ± 38.5	

Experiment Number: 783382

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)

CAS Number: 69655-05-6

Date Report Requested: 09/18/2018

Time Report Requested: 01:50:37

Strain: TA104

Dose (ug/Plate)	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	373 ± 3.8	662 ± 13.1	407 ± 25.8	249 ± 23.4	434 ± 6.9
0.003					
0.01	407 ± 9.1				
0.03	455 ± 12.0	626 ± 14.1	396 ± 5.1	283 ± 8.5	440 ± 2.4
0.1	468 ± 9.3	648 ± 13.9	422 ± 12.2	314 ± 9.4	403 ± 12.5
0.16				298 ± 10.3	409 ± 10.7
0.3	470 ± 9.5	683 ± 4.3	442 ± 7.1	300 ± 9.8	402 ± 15.5
0.6				338 ± 11.2	415 ± 4.9
1.0	479 ± 38.2	705 ± 16.8	482 ± 7.2	420 ± 6.9	465 ± 4.7
1.6					
3.0		660 ± 32.6	323 ± 46.0		238 ± 45.5
6.0					
Trial Summary	Weakly Positive	Negative	Equivocal	Weakly Positive	Negative
Positive Control ⁴					
Positive Control ⁶	1206 ± 36.2	923 ± 13.3	801 ± 1.5	816 ± 25.2	837 ± 48.1
Positive Control ¹¹					

Experiment Number: 783382

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)

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Strain: TA104

Dose (ug/Plate)	With 5% Hamster S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	507 ± 17.7	363 ± 10.7	633 ± 6.6	402 ± 5.7	275 ± 22.4
0.003		384 ± 9.4			
0.01	544 ± 15.0	408 ± 5.0			
0.03	517 ± 0.9	413 ± 13.9	597 ± 6.6	400 ± 13.1	298 ± 6.7
0.1	546 ± 7.8	454 ± 11.9	610 ± 10.7	403 ± 8.7	309 ± 18.4
0.16					309 ± 6.1
0.3	600 ± 17.1	424 ± 52.0	637 ± 24.8	474 ± 17.3	317 ± 12.8
0.6					334 ± 7.0
1.0	590 ± 10.7	484 ± 13.7	625 ± 25.2	468 ± 10.2	388 ± 9.6
1.6					
3.0			597 ± 31.0	434 ± 8.3	
6.0					
Trial Summary	Weakly Positive	Weakly Positive	Negative	Equivocal	Weakly Positive
Positive Control ⁴	982 ± 41.7	1225 ± 20.0	988 ± 48.8	982 ± 22.2	891 ± 8.8
Positive Control ⁶					
Positive Control ¹¹					

Experiment Number: 783382

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Test Compound: 2',3'-Dideoxyinosine (AIDS Initiative)

CAS Number: 69655-05-6

Date Report Requested: 09/18/2018

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Strain: TA104

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	396 ± 4.0
0.003	
0.01	
0.03	431 ± 8.1
0.1	396 ± 11.3
0.16	396 ± 6.9
0.3	410 ± 6.4
0.6	443 ± 8.7
1.0	410 ± 4.3
1.6	
3.0	329 ± 20.9
6.0	
Trial Summary	Equivocal
Positive Control ⁴	724 ± 24.5
Positive Control ⁶	
Positive Control ¹¹	

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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: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

9: 0.5 ug/Plate Mitomycin-C

10: 10.0 ug/Plate 2-Aminoanthracene

11: 250.0 ug/Plate Methyl Methane Sulfonate

s: Slight Toxicity

**** END OF REPORT ****