

Experiment Number: 373221

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

G06: Ames Summary Data

Test Compound: **tris(AziridinyI)-phosphine sulfide (thio-tepa)**

CAS Number: 52-24-4

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

Time Report Requested: **02:41:11**

NTP Study Number:

373221

Study Result:

Positive

Experiment Number: 373221

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: tris(AziridinyI)-phosphine sulfide (thio-tepa)

CAS Number: 52-24-4

Date Report Requested: 09/14/2018

Time Report Requested: 02:41:11

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	140 ± 9.1	154 ± 6.6	164 ± 5.5	165 ± 13.3	173 ± 1.7
1.0					163 ± 9.6
3.0					190 ± 3.5
10.0			211 ± 9.1	281 ± 3.3	
33.0	152 ± 6.1	181 ± 8.5	222 ± 8.1	314 ± 15.9	279 ± 5.2
100.0	157 ± 1.8	240 ± 19.5	280 ± 3.7	438 ± 5.8	370 ± 11.7
166.0			250 ± 17.5	501 ± 17.1	423 ± 13.1
333.0	267 ± 10.5	344 ± 7.2	315 ± 19.1	575 ± 39.3	
666.0	353 ± 4.1	416 ± 17.0			
1000.0	414 ± 20.7	525 ± 23.4			
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					
Positive Control ³	385 ± 4.8	364 ± 13.9			
Positive Control ⁴			457 ± 8.5	552 ± 38.9	511 ± 13.4

Experiment Number: 373221

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: tris(AziridinyI)-phosphine sulfide (thio-tepa)

CAS Number: 52-24-4

Date Report Requested: 09/14/2018

Time Report Requested: 02:41:11

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	148 ± 5.4	143 ± 4.7	167 ± 8.4
1.0		159 ± 8.7	188 ± 17.6
3.0	185 ± 8.4	185 ± 9.3	220 ± 6.1
10.0	205 ± 1.9		
33.0	213 ± 5.3	370 ± 9.0	435 ± 16.5
100.0	273 ± 27.5	504 ± 8.7	554 ± 3.0
166.0			577 ± 9.4
333.0	540 ± 40.7	728 ± 3.1	
666.0			
1000.0			
Trial Summary	Positive	Positive	Positive
Positive Control ²	702 ± 25.3	746 ± 27.8	584 ± 39.0
Positive Control ³			
Positive Control ⁴			

Experiment Number: 373221

G06: Ames Summary Data

Date Report Requested: 09/14/2018

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **tris(AziridinyI)-phosphine sulfide (thio-tepa)**

Time Report Requested: 02:41:11

CAS Number: 52-24-4

Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	24 ± 1.9	43 ± 7.4	26 ± 4.9
1.0			26 ± 1.2
3.0			28 ± 5.5
10.0		38 ± 5.2	
33.0	21 ± 3.3	42 ± 5.5	32 ± 3.5
100.0	27 ± 2.2	41 ± 1.7	36 ± 7.9
166.0		29 ± 1.0	
333.0	26 ± 2.6	31 ± 4.3	34 ± 3.4
666.0	23 ± 4.3		
1000.0	23 ± 3.6		
Trial Summary	Negative	Negative	Negative
Positive Control ²		80 ± 5.0	237 ± 19.4
Positive Control ⁵	489 ± 28.7		

Experiment Number: 373221

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

G06: Ames Summary Data

Test Compound: **tris(AziridinyI)-phosphine sulfide (thio-tepa)**

CAS Number: 52-24-4

Date Report Requested: 09/14/2018

Time Report Requested: 02:41:11

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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****