Experiment Number: **724627**

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

G06: Ames Summary Data

Test Compound: **1,3-bis(2-Benzothiazolylmercaptomethyl) urea**

CAS Number: **64216-20-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:05:58**

NTP Study Number: 724627

Study Result: Positive

Experiment Number: **724627**

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

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Test Compound: **1,3-bis(2-Benzothiazolylmercaptomethyl) urea**

CAS Number: **64216-20-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:05:58**

Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	111 ± 4.7	118 ± 7.1	110 ± 6.2	99 ± 3.8	103 ± 4.7
100.0	112 ± 9.4[p]	142 ± 7.0[p]	97 ± 5.9[p]	107 ± 5.0[p]	100 ± 1.7[p]
333.0	116 ± 8.3[p]	166 ± 7.7[p]	120 ± 6.7[p]	145 ± 12.1[p]	133 ± 8.5[p]
1000.0	113 ± 3.8[p]	192 ± 3.2[p]	137 ± 7.5[p]	186 ± 0.9[p]	162 ± 4.1[p]
1666.0			174 ± 11.5[p]		177 ± 5.5[p]
3333.0	116 ± 4.3[p]	181 ± 10.0[p]	170 ± 8.2[p]	228 ± 1.9[p]	205 ± 11.9[p]
10000.0	70 ± 4.2[p]	165 ± 13.5[p]		177 ± 5.5[p]	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control[2]		412 ± 17.2	576 ± 4.8	1411 ± 107.0	2023 ± 28.8
Positive Control[3]	655 ± 17.1				

Experiment Number: **724627**

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

G06: Ames Summary Data

Test Compound: **1,3-bis(2-Benzothiazolylmercaptomethyl) urea**

CAS Number: **64216-20-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:05:58**

Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	29 ± 3.1	9 ± 0.7	10 ± 0.6
100.0	23 ± 1.2[p]	8 ± 2.2[p]	10 ± 2.5[p]
333.0	20 ± 2.6[p]	8 ± 0.3[p]	9 ± 3.8[p]
1000.0	14 ± 2.6[p]	9 ± 0.3[p]	7 ± 1.2[p]
3333.0	9 ± 3.8[p]	8 ± 0.9[p]	7 ± 1.2[p]
10000.0	0 ± 0.0[x]	2 ± 0.7[p]	5 ± 0.6[p]
Trial Summary	Negative	Negative	Negative
Positive Control[3]	469 ± 18.3		
Positive Control[4]		142 ± 7.2	395 ± 13.9

Experiment Number: **724627**

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

G06: Ames Summary Data

Test Compound: **1,3-bis(2-Benzothiazolylmercaptomethyl) urea**

CAS Number: **64216-20-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:05:58**

Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	166 ± 4.1	201 ± 8.8	179 ± 3.5
100.0	163 ± 6.2[p]	197 ± 15.4[p]	182 ± 6.0[p]
333.0	175 ± 10.0[p]	192 ± 7.0[p]	201 ± 13.9[p]
1000.0	171 ± 13.7[p]	186 ± 9.1[p]	215 ± 8.1[p]
3333.0	151 ± 18.4[p]	210 ± 5.9[p]	192 ± 12.3[p]
10000.0	30 ± 11.6[p]	118 ± 7.8[p]	188 ± 6.5[p]
Trial Summary	Negative	Negative	Negative
Positive Control[4]		576 ± 62.2	1421 ± 6.1
Positive Control[5]	1013 ± 119.4		

Experiment Number: **724627**

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

G06: Ames Summary Data

Test Compound: **1,3-bis(2-Benzothiazolylmercaptomethyl) urea**

CAS Number: **64216-20-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:05:58**

Strain: TA98

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control[1]	16 ± 1.3	18 ± 1.8	35 ± 1.5	27 ± 1.8	19 ± 3.4
33.0		20 ± 4.9		26 ± 1.8	22 ± 2.7
100.0	17 ± 2.3[p]	23 ± 3.8[p]	44 ± 4.3[p]	27 ± 1.9[p]	21 ± 3.8[p]
333.0	17 ± 4.3[p]	32 ± 4.2[p]	43 ± 4.7[p]	30 ± 1.2[p]	34 ± 1.8[p]
1000.0	17 ± 1.8[p]	29 ± 6.8[p]	51 ± 1.2[p]	37 ± 1.8[p]	57 ± 9.1[p]
1666.0		23 ± 3.1[p]		36 ± 7.1[p]	66 ± 4.6[p]
3333.0	16 ± 1.8[p]	10 ± 3.2[p]	48 ± 5.9[p]	43 ± 0.6[p]	56 ± 5.7[p]
10000.0	5 ± 1.9[p]		33 ± 6.6[p]		
Trial Summary	Negative	Equivocal	Equivocal	Equivocal	Positive
Positive Control[2]		407 ± 18.3	187 ± 24.8	315 ± 4.7	129 ± 4.5
Positive Control[6]	939 ± 32.2				

Experiment Number: **724627**

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

G06: Ames Summary Data

Test Compound: **1,3-bis(2-Benzothiazolylmercaptomethyl) urea**

CAS Number: **64216-20-2**

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Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	30 ± 1.2	24 ± 3.0	30 ± 2.2
33.0			
100.0	40 ± 0.9[p]	28 ± 2.2[p]	23 ± 4.7[p]
333.0	50 ± 4.1[p]	45 ± 4.2[p]	34 ± 2.0[p]
1000.0	59 ± 4.7[p]	67 ± 8.5[p]	47 ± 2.3[p]
1666.0	67 ± 2.5[p]		51 ± 3.7[p]
3333.0	93 ± 3.5[p]	86 ± 2.7[p]	54 ± 3.8[p]
10000.0		66 ± 10.5[p]	
Trial Summary	Positive	Positive	Weakly Positive
Positive Control[2]	254 ± 10.0	663 ± 332.0	1476 ± 46.4
Positive Control[6]			

LEGEND

Values given as Mean or Mean ± 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: 1.0 ug/Plate Sodium Azide
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate
x: Slight Toxicity and Precipitate

** END OF REPORT **