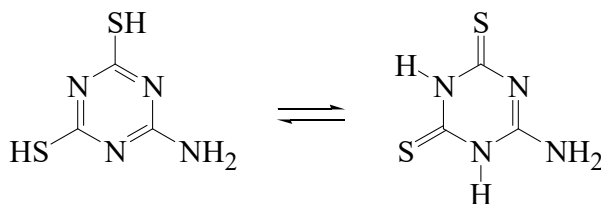




>>Entry Name: **2-Amino-4,6-dimercapto-1,3,5-triazine**

Synonym(s): 6-Amino-1,3,5-triazine-2,4(1*H*,3*H*)-dithione, 9Cl. 6-Amino-*s*-triazine-2,4-dithiol, 8Cl. Dithioammelide



CAS Registry Number: 2770-75-4

Extra CAS Registry Numbers(s): 137374-07-3

Molecular Formula: C₃H₄N₄S₂

Molecular Weight: 160.223

Accurate Mass: 159.987736

Percentage Composition: C 22.49%; H 2.52%; N 34.97%; S 40.03%

Physical Description: Cryst. (DMF aq.)

Melting Point: Mp 310° (dec.)

Other Data: Liberates H₂S and NH₃> 310°

Other: PB D54300

>>Derivative: 2-*N,N*-Dibutyl

Synonym(s): 2-(Dibutylamino)-4,6-dimercapto-1,3,5-triazine. Zisnet DB. Zisnet MP

CAS Registry Number: 29529-99-5

Molecular Formula: C₁₁H₂₀N₄S₂

Molecular Weight: 272.438

Accurate Mass: 272.112936

Percentage Composition: C 48.50%; H 7.40%; N 20.56%; S 23.54%

Use/Importance: Vulcanisation agent, esp. for chlorinated rubbers

>>Derivative: 2-*N*-Ph

Synonym(s): 2-Anilino-4,6-dimercapto-1,3,5-triazine. Zisnet AF. Zisnet AS

CAS Registry Number: 13733-91-0

Molecular Formula: C₉H₈N₄S₂

Molecular Weight: 236.321

Accurate Mass: 236.019036

Percentage Composition: C 45.74%; H 3.41%; N 23.71%; S 27.14%

Use/Importance: Vulcanisation agent esp. for chlorinated rubbers

Melting Point: Mp 255° (dec.)

>>Variant: *SH*-form

Molecular Formula: C₃H₄N₄S₂

Molecular Weight: 160.223

Accurate Mass: 159.987736

Percentage Composition: C 22.49%; H 2.52%; N 34.97%; S 40.03%

>>Derivative: *S,S*-Di-Me

Molecular Formula: C₅H₈N₄S₂

Molecular Weight: 188.277

Accurate Mass: 188.019036

Percentage Composition: C 31.90%; H 4.28%; N 29.76%; S 34.06%

Physical Description: Plates (EtOH)

Melting Point: Mp 200°

>>Derivative: *S,S*-Di-Me, *N*-Me

Molecular Formula: C₆H₁₀N₄S₂

Molecular Weight: 202.304

Accurate Mass: 202.034686

Percentage Composition: C 35.62%; H 4.98%; N 27.69%; S 31.70%

Physical Description: Prisms (EtOH aq.)

Melting Point: Mp 174-175°

References: