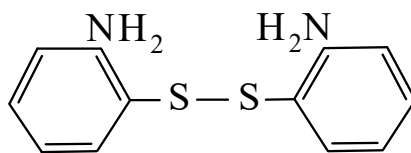




>>Entry Name: Bis(2-aminophenyl) disulfide

Synonym(s): 2,2'-Dithiobisbenzenamine, 9Cl. 2,2'-Dithiodianiline, 8Cl. 2,2'-Diaminodiphenyl disulfide. Intramine



CAS Registry Number: 1141-88-4

Molecular Formula: C₁₂H₁₂N₂S₂

Molecular Weight: 248.372

Accurate Mass: 248.044188

Percentage Composition: C 58.03%; H 4.87%; N 11.28%; S 25.82%

Use/Importance: Vulcanizing agent for urethane rubbers, shows bactericidal and fungicidal activity. Used as EtOH soln. for photometric detn. of Pt(IV) ($\lambda_{\max}$ 725 nm, ϵ 54800)

Physical Description: Leaflets or needles (EtOH aq.)

Melting Point: Mp 93°

Solubility: Sol. acids, EtOH; spar. sol. H₂O

Hazard & Toxicity: Severe eye irritant. LD₅₀ (rat, orl) 558 mg/kg

Aldrich: 16676-6

Fluka: 43767

>>Derivative: Dipicrate

Melting Point: Mp 141°

>>Derivative: 2,2'-N-Di-Ac

CAS Registry Number: 3095-79-2

Molecular Formula: C₁₆H₁₆N₂O₂S₂

Molecular Weight: 332.447

Accurate Mass: 332.065318

Percentage Composition: C 57.81%; H 4.85%; N 8.43%; O 9.63%; S 19.29%

Melting Point: Mp 156°

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