



>>Derivative: Dinitrile

Synonym(s): 3,3'-Thiobispropanenitrile. 2,2'-Dicyanodiethyl sulfide

CAS Registry Number: 111-97-7

Molecular Formula: $C_6H_8N_2S$

Molecular Weight: 140.209

Accurate Mass: 140.040818

Percentage Composition: C 51.40%; H 5.75%; N 19.98%; S 22.87%

Physical Description: Needles (Et₂O)

Melting Point: Mp 28°

Boiling Point: Bp₃ 178-180°

Solubility: Sl. sol. H₂O, EtOH; sol. Me₂CO, CHCl₃, C₆H₆

Density: d³⁰ 1.1095

Hazard & Toxicity: Skin and eye irritant. LD₅₀ (rat, orl) 4500 mg/kg

Fluka: 88590

Rare Chemicals Library: S43517-1

>>Derivative: S-Oxide

Synonym(s): 3,3'-Sulfinylbispropanoic acid, 9CI

CAS Registry Number: 3680-08-8

Molecular Formula: $C_6H_{10}O_5S$

Molecular Weight: 194.208

Accurate Mass: 194.024895

Percentage Composition: C 37.11%; H 5.19%; O 41.19%; S 16.51%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 112°

References:

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