



>>Entry Name: **3,3'-Iminobis-1-propanol**, 9CI

Synonym(s): 3,3'-Iminodi-1-propanol, 8CI. Bis(3-hydroxypropyl)amine. 3,3'-Dihydroxydipropylamine. Di(3-hydroxypropyl)amine. Dipropanolamine

CAS Registry Number: 14002-33-6

HN(CH₂CH₂CH₂OH)₂

Molecular Formula: C₆H₁₅NO₂

Molecular Weight: 133.19

Accurate Mass: 133.110279

Percentage Composition: C 54.11%; H 11.35%; N 10.52%; O 24.02%

Use/Importance: Industrial solvent

Physical Description: Yellow oil

Boiling Point: Bp₅ 127-128°

>>Derivative: *O,O'*-Dimethanesulfonyl

Synonym(s): **Improsulfan**, INN. NSC 140117

CAS Registry Number: 13425-98-4

Molecular Formula: C₈H₁₉NO₆S₂

Molecular Weight: 289.373

Accurate Mass: 289.065379

Percentage Composition: C 33.21%; H 6.62%; N 4.84%; O 33.17%; S 22.16%

Use/Importance: Antineoplastic agent

Calculated Log P Data: Log P -1.8 (calc)

Hazard & Toxicity: Induces bone marrow hyperplasia and other toxic responses

>>Derivative: *O,O'*-Dimethanesulfonyl; hydrochloride

Synonym(s): NSC 102627

CAS Registry Number: 3458-22-8

Physical Description: Cryst. (Me₂CO/diisopropyl ether)

Melting Point: Mp 95-96°

Hazard & Toxicity: Exp. neoplastic agent

>>Derivative: *O,O'*-Dimethanesulfonyl; 4-methylbenzenesulfonate

Synonym(s): **Improsulfan tosilate**, JAN. Protecton

CAS Registry Number: 32784-82-0

Hazard & Toxicity: LD₅₀ (rat, orl) 108 mg/kg. Exp. reprod. and teratogenic effects

>>Derivative: *N*-Benzyl

Synonym(s): 3,3'-[(Phenylmethyl)imino]bis-1-propanol, 9CI

CAS Registry Number: 5279-23-2

Molecular Formula: C₁₃H₂₁NO₂

Molecular Weight: 223.314

Accurate Mass: 223.157229

Percentage Composition: C 69.92%; H 9.48%; N 6.27%; O 14.33%

Physical Description: Oil

References:

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