



>>Entry Name: 2,2'-Dithiobisethanol, 9CI

Synonym(s): 2-Hydroxyethyl disulfide

CAS Registry Number: 1892-29-1

HOCH₂CH₂SSCH₂CH₂OH

Molecular Formula: C₄H₁₀O₂S₂

Molecular Weight: 154.254

Accurate Mass: 154.01222

Percentage Composition: C 31.15%; H 6.53%; O 20.74%; S 41.58%

Physical Description: Syrupy liq.

Melting Point: Mp 17°

Boiling Point: Bp_{0.1} 160-162°

Refractive Index: n_D²⁰ 1.5700

Aldrich: 38047-4

Fluka: 43766

>>Derivative: Di-Ac

CAS Registry Number: 37886-90-1

Molecular Formula: C₈H₁₄O₄S₂

Molecular Weight: 238.328

Accurate Mass: 238.03335

Percentage Composition: C 40.32%; H 5.92%; O 26.85%; S 26.91%

Physical Description: Liq.

Rare Chemicals Library: S61621-4

>>Derivative: Bis-4-methylbenzenesulfonyl

Molecular Formula: C₁₈H₂₂O₆S₄

Molecular Weight: 462.632

Percentage Composition: C 46.73%; H 4.79%; O 20.75%; S 27.72%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 69°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 443B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 275C, (*ir*)

Uemura, S. *et al.*, *Bull. Chem. Soc. Jpn.*, 1977, **50**, 220, (*synth*)

Delacroix, A. *et al.*, *Bull. Soc. Chim. Fr.*, 1978, 481, (*synth*)

Christensen, L.W. *et al.*, *Synthesis*, 1978, 50, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DXM600