



>>Entry Name: (Methylthio)methanol

Synonym(s): Hydroxymethyl methyl sulfide

CAS Registry Number: 81898-54-6

MeSCH₂OH

Molecular Formula: C₂H₆OS

Molecular Weight: 78.135

Accurate Mass: 78.013935

Percentage Composition: C 30.74%; H 7.74%; O 20.48%; S 41.04%

Physical Description: Stable liq.

Boiling Point: Bp₁₃ 41°

>>Derivative: Ac

CAS Registry Number: 16437-69-7

Molecular Formula: C₄H₈O₂S

Molecular Weight: 120.172

Accurate Mass: 120.0245

Percentage Composition: C 39.98%; H 6.71%; O 26.63%; S 26.68%

Boiling Point: Bp₁₂ 48-49°

Refractive Index: n_D²⁰ 1.4550

Aldrich: 36915-2

>>Derivative: *p*-Nitrobenzoyl

Melting Point: Mp 50-52°

References:

Dossena, A. *et al.*, *J.C.S. Perkin 1*, 1981, 2737, (acetate)

Jones, J.H. *et al.*, *Synth. Commun.*, 1986, **16**, 1607, (synth, pmr)