



>>Entry Name: Ethyl methyl disulfide, 9CI

Synonym(s): 2,3-Dithiapentane

CAS Registry Number: 20333-39-5

Et-S-S-Me

Molecular Formula: C₃H₈S₂

Molecular Weight: 108.228

Accurate Mass: 108.00674

Percentage Composition: C 33.29%; H 7.45%; S 59.26%

Biological Source: Constit. of *Allium* spp. and *Durio zibethinus*

Physical Description: Liq.

Boiling Point: Bp 135°. Bp₅₇ 58°

Density: d²⁰ 1.02

Refractive Index: n_D²⁰ 1.5130

References:

Brintzinger, H. *et al.*, *Chem. Ber.*, 1953, **86**, 557-563, (*synth*)

Birch, S.F. *et al.*, *J. Inst. Pet.*, 1953, **39**, 206-219, (*synth*)

Milligan, B. *et al.*, *J.C.S.*, 1963, 6008-6012, (*synth*)

Allum, K.G. *et al.*, *Spectrochim. Acta A*, 1968, **24**, 927-941, (*ir, Raman*)

Dauphin, G. *et al.*, *Org. Magn. Reson.*, 1979, **12**, 557-560, (*cmr*)

Gupta, D. *et al.*, *Can. J. Chem.*, 1981, **59**, 543-548, (*ms*)

Barony, G. *et al.*, *J.O.C.*, 1983, **48**, 4750-4761, (*pmr*)

Ohsaku, M. *et al.*, *J. Phys. Chem.*, 1988, **92**, 4591-4594, (*mol struct, conformn*)