



>>Entry Name: Bis(1-methylpropyl) disulfide, 9CI

Synonym(s): *sec*-Butyl disulfide, 8CI

CAS Registry Number: 5943-30-6

Extra CAS Registry Numbers(s): 91840-98-1

$\text{H}_3\text{CCH}_2\text{CH}(\text{CH}_3)\text{SSCH}(\text{CH}_3)\text{CH}_2\text{CH}_3$

Molecular Formula:  $\text{C}_8\text{H}_{18}\text{S}_2$

Molecular Weight: 178.362

Accurate Mass: 178.08499

Percentage Composition: C 53.87%; H 10.17%; S 35.96%

Biological Source: Constit. of the oils of *Ferula* spp.

Physical Description: Liq. with strong odour

Boiling Point:  $\text{Bp}_{12}$  120°

Aldrich: B9400-4

Sigma: B1759

#### References:

*Aldrich Library of  $^{13}\text{C}$  and  $^1\text{H}$  FT NMR Spectra*, 1992, **1**, 431B, (*nmr*)

*Aldrich Library of Infrared Spectra*, 3rd edn., 1981, 158C, (*ir*)

Lanum, W.J. *et al.*, *J. Chem. Eng. Data*, 1969, **14**, 93, (*ms, ir, props*)

Cohen, V.I., *Helv. Chim. Acta*, 1976, **59**, 840, (*synth*)

Rajanikanth, B. *et al.*, *Phytochemistry*, 1984, **23**, 899-900, (*isol, ms*)

Min, Z. *et al.*, *Planta Med.*, 1987, **53**, 300-302, (*isol*)