



>>Entry Name: Methyl propyl disulfide, 8Cl
ENTRY UNDER REVIEW

CAS Registry Number: 2179-60-4

$\text{H}_3\text{CCH}_2\text{CH}_2\text{-S-S-Me}$

Molecular Formula: $\text{C}_4\text{H}_{10}\text{S}_2$

Molecular Weight: 122.255

Accurate Mass: 122.02239

Percentage Composition: C 39.30%; H 8.24%; S 52.46%

Source/Synthesis: Constit. of chive (*Allium schoenoprasum*) and other *Allium* spp.

Use/Importance: Flavouring component of onion oil

Boiling Point: Bp_{43} 69-71°

Refractive Index: n_{D}^{20} 1.5070

Aldrich: W32010-2

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 427C, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 349A, (*ir*)

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

Jacobsen, J.V. *et al.*, *Arch. Biochem. Biophys.*, 1964, **104**, 473, (*ir, glc*)

Wahlroos, O. *et al.*, *Acta Chem. Scand.*, 1965, **19**, 1327, (*isol*)

Harpp, D.N. *et al.*, *J.O.C.*, 1979, **44**, 4140, (*synth*)

Encyclopedia of Food and Color Additives, (ed. Burdock, G.A.), CRC Press, 1997, 1847-1848, (*occur, props*)