



>>Entry Name: *N*-Methylmethanesulfonamide, 9CI

Synonym(s): (Methylsulfonyl)methylamine

CAS Registry Number: 1184-85-6

MeNHSO₂Me

Molecular Formula: C₂H₇NO₂S

Molecular Weight: 109.149

Accurate Mass: 109.019749

Percentage Composition: C 22.01%; H 6.46%; N 12.83%; O 29.32%; S 29.38%

Physical Description: Liq.

Boiling Point: Bp_{0.3} 118°

Solubility: Misc. H₂O

Density: d²⁴ 1.275

References:

Helferich, B. *et al.*, *Ber.*, 1940, **73**, 1131

Laughlin, R.G. *et al.*, *J.A.C.S.*, 1967, **89**, 4268

Ger. Pat., 1969, 1 929 295; *CA*, **72**, 66412

Noguchi, A. *et al.*, *Spectrochim. Acta A*, 1980, **36**, 829, (*ir*, *Raman*)

Annunziata, R. *et al.*, *Org. Magn. Reson.*, 1984, **22**, 250, (*S-33 nmr*)

Banks, M.R. *et al.*, *J.C.S. Perkin 2*, 1986, 1211, (*synth*, *cmr*, *pmr*)

Johnson, M.D., *J. Organomet. Chem.*, 1987, **326**, 281, (*synth*)