



>>Entry Name: 2-Methyl-2-butanethiol, 9CI, 8CI

Synonym(s): *tert*-Amyl mercaptan. *tert*-Pentyl mercaptan. 2-Mercapto-2-methylbutane

CAS Registry Number: 1679-09-0

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

Molecular Formula: $\text{C}_5\text{H}_{12}\text{S}$

Molecular Weight: 104.216

Accurate Mass: 104.06597

Percentage Composition: C 57.63%; H 11.61%; S 30.77%

Physical Description: Liq. with powerful odour

Boiling Point: Bp 99-103°

Density: d_4^{20} 0.8259

Hazard & Toxicity: Highly flammable, fl. p. -1°

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 417A, (*nmr*)

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Waterman, H.I. *et al.*, *J. Appl. Chem.*, 1954, **4**, 285, (*synth*)

Levy, E.J. *et al.*, *Anal. Chem.*, 1961, **33**, 707, (*ms*)

Akerstrom, S., *Ark. Kemi*, 1965, **24**, 505, (*synth*)

Cao, Z. *et al.*, *Gaodeng Xuexiao Huaxue Xuebao*, 1985, **6**, 330; *CA*, **104**, 129448x, (*synth*)

Bertz, S.H. *et al.*, *J.O.C.*, 1985, **50**, 4414, (*synth*)