



>>Entry Name: 2,2,3,3,4,4,4-Heptafluoro-1-butanol, 9CI

Synonym(s): 1,1-Dihydroperfluorobutanol

CAS Registry Number: 375-01-9

F3CCF2CF2CH2OH

Molecular Formula: C4H3F7O

Molecular Weight: 200.056

Accurate Mass: 200.007211

Percentage Composition: C 24.02%; H 1.51%; F 66.48%; O 8.00%

Boiling Point: Bp 95°

Density: d_4^{20} 1.6

Hazard & Toxicity: LD₅₀ (rat,orl) 3630 mg/kg

Aldrich: H160-4

Fluka: 51693

>>Derivative: 4-Methylbenzenesulfonyl

Physical Description: Cryst. (petrol)

Melting Point: Mp 30-30.5°

>>Derivative: 2-Propenoyl

>>Derivative: 2-Methylpropenoyl

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 179B, (*ir*)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 276B, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 257C, (*ir*)

Tiers, G.V.D. *et al.*, *J.A.C.S.*, 1953, **75**, 5978, (*synth*)

Ger. Pat., 1971, 1 944 381; *CA*, **74**, 111551c