



>>Entry Name: 1,3-Difluoro-2-propanol, 9CI, 8CI

CAS Registry Number: 453-13-4

FCH2CH(OH)CH2F

Molecular Formula: $C_3H_6F_2O$

Molecular Weight: 96.077

Accurate Mass: 96.038671

Percentage Composition: C 37.50%; H 6.29%; F 39.55%; O 16.65%

Use/Importance: Rodent control agent

Physical Description: Liq.

Boiling Point: Bp₃₄ 54-55°

Density: d₄²⁰ 1.24

Aldrich: 17692-3

Sigma: D0760

>>Derivative: Methanesulfonyl

Physical Description: Liq.

Boiling Point: Bp_{0.1} 76-78°

>>Derivative: Benzenesulfonyl

Molecular Formula: $C_9H_{10}F_2O_3S$

Molecular Weight: 236.239

Percentage Composition: C 45.76%; H 4.27%; F 16.08%; O 20.32%; S 13.57%

Physical Description: Liq.

Boiling Point: Bp_{0.2} 115°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 278A, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 178C, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 258C, (ir)

Bergmann, E.D. *et al.*, *J.C.S.*, 1958, 2259; 1963, 3462, (synth)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, DK1800