



>>Entry Name: 1,1-Difluoro-2-propanone, 9CI

Synonym(s): 1,1-Difluoroacetone

CAS Registry Number: 431-05-0

Related CAS Registry Numbers(s): 97143-55-0

$\text{H}_3\text{CCOCHF}_2$

Molecular Formula: $\text{C}_3\text{H}_4\text{F}_2\text{O}$

Molecular Weight: 94.061

Accurate Mass: 94.023021

Percentage Composition: C 38.31%; H 4.29%; F 40.40%; O 17.01%

Physical Description: Liq.

Boiling Point: Bp 46.5-46.7°

Density: d_4^{20} 1.16

Refractive Index: n_D^{20} 1.3280

References:

Desirant, Y., *Bull. Soc. Chim. Belg.*, 1929, **15**, 966, (*synth*)

Yakubovich, A.Y. *et al.*, *Zh. Obshch. Khim.*, 1958, **28**, 2288; *CA*, **53**, 2078i, (*synth*)

Barrett, G.C. *et al.*, *J.C.S.(C)*, 1971, 279, (*synth*)

Shapiro, B.L. *et al.*, *J. Magn. Reson.*, 1973, **10**, 65, (*synth*, *pmr*, *F-19 nmr*)

Abraham, R.J. *et al.*, *J.C.S. Perkin 2*, 1996, 533, (*pmr*, *cmr*)