



>>Entry Name: **3-Chloro-1,1,1-trifluoro-2-propanone**, 9Cl

Synonym(s): 3-Chloro-1,1,1-trifluoroacetone

CAS Registry Number: 431-37-8

F3CCOCH2Cl

Molecular Formula: C3H2ClF3O

Molecular Weight: 146.496

Accurate Mass: 145.974626

Percentage Composition: C 24.60%; H 1.38%; Cl 24.20%; F 38.91%; O 10.92%

Use/Importance: Synthetic intermed.

Physical Description: Liq.

Boiling Point: Bp 69-70°

Refractive Index: n_D^{20} 1.3440

References:

Hill, H.M. *et al.*, *J.A.C.S.*, 1950, **72**, 3289, (*synth*)

Cherbuliez, E. *et al.*, *Helv. Chim. Acta*, 1965, **48**, 1423, (*synth*)

Shapiro, B.L. *et al.*, *J. Magn. Reson.*, 1973, **9**, 305, (*synth, pmr, F-19 nmr, ir*)