



>>Entry Name: 5-Fluoro-1-indanone, 8Cl

Synonym(s): 5-Fluoro-2,3-dihydro-1*H*-inden-1-one, 9Cl

CAS Registry Number: 700-84-5

Structure by analogy with 1-Fluoro-2-indanone, [LZF73-E](#)

Molecular Formula: C₉H₇FO

Molecular Weight: 150.152

Accurate Mass: 150.048093

Percentage Composition: C 71.99%; H 4.70%; F 12.65%; O 10.66%

Physical Description: Cryst. (pentane)

Melting Point: Mp 35-37°

Refractive Index: n_D²⁵ 1.5499

Other Data: Light sensitive

Aldrich: 18566-3

References:

Allinger, N.L. *et al.*, *J.O.C.*, 1962, **27**, 70, (*synth*)

Albrecht, R. *et al.*, *Annalen*, 1970, **736**, 110, (*synth, pmr, ir*)

Olivier, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1973, 3092, (*synth, ir*)

Adcock, W. *et al.*, *J.A.C.S.*, 1973, **95**, 7353, (*synth*)

Adcock, W. *et al.*, *Aust. J. Chem.*, 1976, **29**, 2571, (*F-19 nmr*)