



>>Entry Name: 2-Acetylfluorene

Synonym(s): 1-(9*H*-Fluoren-2-yl)ethanone, 9Cl. 2-Fluorenyl methyl ketone, 8Cl

CAS Registry Number: 781-73-7

Molecular Formula: C₁₅H₁₂O

Molecular Weight: 208.259

Accurate Mass: 208.088815

Percentage Composition: C 86.51%; H 5.81%; O 7.68%

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 130-131° (128-129°)

Aldrich: A1620-3

>>Derivative: Oxime

CAS Registry Number: 110827-07-1

Melting Point: Mp 192-193.5°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 109682-26-0

Physical Description: Cryst.

Melting Point: Mp 261-262°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 18D, (*ir*)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 823A, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1240A, (*ir*)

Org. Synth., Coll. Vol., 3, 1955, 23, (*synth*)

Mathieu, A. *et al.*, *Bull. Soc. Chim. Fr.*, 1974, 299, (*pmr*)

Kitching, W. *et al.*, *Org. Magn. Reson.*, 1980, **14**, 502, (*pmr, cmr*)

Keumi, T. *et al.*, *Synthesis*, 1980, 139, (*synth*)

Keumi, T. *et al.*, *Bull. Chem. Soc. Jpn.*, 1988, **61**, 455, (*synth*)

Rajasekaran, K. *et al.*, *Spectrochim. Acta A*, 1988, **44**, 321, (*ir*)

Zakharov, V.F. *et al.*, *Zh. Org. Khim.*, 1988, **24**, 1697; *J. Org. Chem. USSR (Engl. Transl.)*, 1988, **24**, 1530, (*cmr*)

Collins, M.J. *et al.*, *Aust. J. Chem.*, 1990, **43**, 1547, (*synth, pmr*)