



>>Entry Name: 2-Hydroxy-9*H*-fluoren-9-one, 9CI

Synonym(s): 2-Hydroxyfluorenone

CAS Registry Number: 6949-73-1

Molecular Formula: C₁₃H₈O₂

Molecular Weight: 196.205

Accurate Mass: 196.05243

Percentage Composition: C 79.58%; H 4.11%; O 16.31%

Physical Description: Red needles (AcOH aq.)

Melting Point: Mp 210-211°

Solubility: Spar. sol. hot H₂O

Other Data: Sublimes

Aldrich: H3132-8

>>Derivative: Me ether

Synonym(s): 2-Methoxyfluorenone

CAS Registry Number: 3133-07-1

Molecular Formula: C₁₄H₁₀O₂

Molecular Weight: 210.232

Accurate Mass: 210.06808

Percentage Composition: C 79.99%; H 4.79%; O 15.22%

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 77-78°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 76A, (*ir*)

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 905B, (*nmr*)

Diels, O., *Ber.*, 1901, **34**, 1758-1768, (*synth*)

Proctor, C.J. *et al.*, *Org. Mass Spectrom.*, 1981, **16**, 312-322, (*ms*)

Lopez-Segura, M. *et al.*, *Electrochim. Acta*, 1985, **30**, 1191-1192, (*synth*)

Hauser, A. *et al.*, *J. Prakt. Chem.*, 1988, **330**, 367-378, (*cmr*)

Ramana, M.M.V. *et al.*, *Synthesis*, 1993, 575-576, (*Me ether*)