



>>Entry Name: **9H-Fluoren-9-ol**, 9Cl

Synonym(s): 9-Hydroxyfluorene. Diphenylenecarbinol

CAS Registry Number: 1689-64-1

Structure by analogy with 9H-Fluoren-1-ol, [HHH80-A](#)

Molecular Formula: C₁₃H₁₀O

Molecular Weight: 182.221

Accurate Mass: 182.073165

Percentage Composition: C 85.69%; H 5.53%; O 8.78%

Physical Description: Cryst. (petrol)

Melting Point: Mp 156° (153°)

Aldrich: H3120-4

Rare Chemicals Library: S5222-2

>>Derivative: Me ether

Synonym(s): 9-Methoxyfluorene

CAS Registry Number: 19126-15-9

Molecular Formula: C₁₄H₁₂O

Molecular Weight: 196.248

Accurate Mass: 196.088815

Percentage Composition: C 85.68%; H 6.16%; O 8.15%

Melting Point: Mp 43.5°

>>Derivative: O-Nitrate

CAS Registry Number: 16203-92-2

Molecular Formula: C₁₃H₉NO₃

Molecular Weight: 227.219

Accurate Mass: 227.058244

Percentage Composition: C 68.72%; H 3.99%; N 6.16%; O 21.12%

Other Data: No phys. props. reported

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 381C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1150B, (*ir*)

Staudinger, H. *et al.*, *Ber.*, 1916, **49**, 1951

Kliegel, A., *Ber.*, 1929, **62**, 1327

Backmann, W.E., *J.A.C.S.*, 1933, **55**, 770

Ferrier, R., *C. R. Hebd. Seances Acad. Sci.*, 1945, **220**, 460

Olah, G.A. *et al.*, *J.A.C.S.*, 1978, **100**, 5396, (*nitrate*)

Cristol, S.J. *et al.*, *J.O.C.*, 1978, **43**, 1150, (*synth*)

Wright, B.B. *et al.*, *J.A.C.S.*, 1984, **106**, 4175, (*deriv, synth, pmr, ms*)