



>>Entry Name: 9-Aminofluorene

Synonym(s): 9*H*-Fluoren-9-amine, 9Cl

CAS Registry Number: 525-03-1

Molecular Formula: C₁₃H₁₁N

Molecular Weight: 181.237

Accurate Mass: 181.089149

Percentage Composition: C 86.15%; H 6.12%; N 7.73%

Physical Description: Cryst. (petrol)

Melting Point: Mp 64°

Boiling Point: Bp₂ 136°

Other Data: An unstable form, Mp 46-47°, also exists

>>Derivative: Hydrochloride

CAS Registry Number: 5978-75-6

Melting Point: Mp 265-270 dec.°

Aldrich: A5560-8

>>Derivative: *N*-Ac

Molecular Formula: C₁₅H₁₃NO

Molecular Weight: 223.274

Accurate Mass: 223.099714

Percentage Composition: C 80.69%; H 5.87%; N 6.27%; O 7.17%

Melting Point: Mp 262°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1301A, (*ir*)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 634B, (*nmr*)

Kuhn, R. *et al.*, *Ber.*, 1925, **58**, 1432-1440; 2232, (*synth*)

Ingold, C.K. *et al.*, *J.C.S.*, 1933, 1493-1505, (*synth*)

Jochims, J.C., *Monatsh. Chem.*, 1963, **94**, 677-680, (*synth*)

Mathieu, A., *Bull. Soc. Chim. Fr.*, 1971, 1526