



>>Entry Name: 5-Chloro-1*H*-indole

CAS Registry Number: 17422-32-1

Structure by analogy with 2-Chloro-1*H*-indole, [GCM53-Z](#)

Molecular Formula: C₈H₆ClN

Molecular Weight: 151.595

Accurate Mass: 151.018876

Percentage Composition: C 63.38%; H 3.99%; Cl 23.39%; N 9.24%

Physical Description: Silvery plates (petrol), needles (H₂O)

Melting Point: Mp 71-72°

Boiling Point: Bp_{0.4} 120-130°

Aldrich: C4760-4

Fluka: 24903

Sigma: C5522

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 656C, (*ir*)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 126A, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1500D, (*ir*)

Rydon, H.N. *et al.*, *J.C.S.*, 1955, 3501, (*synth*)

Pappalardo, G. *et al.*, *Gazz. Chim. Ital.*, 1958, **88**, 1147, (*synth, uv*)

Ikan, R. *et al.*, *Isr. J. Chem.*, 1964, **2**, 37, (*synth, uv*)

Lee, M. *et al.*, *J. Het. Chem.*, 1994, **31**, 711, (*pmr, cmr*)

Ezquerria, H. *et al.*, *J.O.C.*, 1996, **61**, 5804, (*synth, ir, pmr, cmr, ms*)