



>>Entry Name: **5-Aminobenzimidazole**

Synonym(s): 1*H*-Benzimidazol-5-amine, 9CI

CAS Registry Number: 934-22-5

Molecular Formula: C₇H₇N₃

Molecular Weight: 133.152

Accurate Mass: 133.063997

Percentage Composition: C 63.14%; H 5.30%; N 31.56%

Melting Point: Mp 166.5-167°

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 55299-95-1

Melting Point: Mp 290°

>>Derivative: Dipicrate

Melting Point: Mp 197-198°

References:

Van der Want, G.M., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1948, **67**, 45, (*synth*)

Stäuble, M., *Helv. Chim. Acta*, 1949, **32**, 135-145, (*synth*)

Bapat, D.G. *et al.*, *Indian J. Chem.*, 1965, **3**, 81, (*synth*)

Blackburn, B.J. *et al.*, *Can. J. Chem.*, 1982, **60**, 2987, (*cmr*)

El Kihel, A. *et al.*, *Synth. Commun.*, 1999, **29**, 2435-2445, (*synth*, *pmr*, *cmr*)