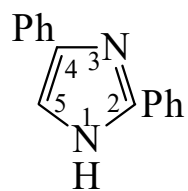




>>Entry Name: 2,4-Diphenyl-1*H*-imidazole, 9CI



CAS Registry Number: 670-83-7

Molecular Formula: C₁₅H₁₂N₂

Molecular Weight: 220.273

Accurate Mass: 220.100048

Percentage Composition: C 81.79%; H 5.49%; N 12.72%

Physical Description: Cryst. in 3 forms

Melting Point: Mp 174° (168°). Mp 194°

pKa Value: p*K*_{a1} 5.64; p*K*_{a2} 12.53 (25°)

>>Derivative: Hydrochloride

Melting Point: Mp 274°

References:

Burtles, R. *et al.*, *J.C.S.*, 1923, **123**, 361

Haines, P.G. *et al.*, *J.A.C.S.*, 1949, **71**, 2793

Lawson, A., *J.C.S.*, 1957, 4225

Butler, R.N. *et al.*, *J.C.S. Perkin I*, 1999, 1709-1712, (*synth, pmr*)