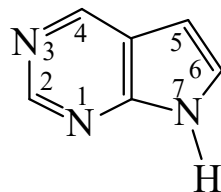




>>Entry Name: **7H-Pyrrolo[2,3-*d*]pyrimidine**

Synonym(s): 1*H*-Pyrrolo[2,3-*d*]pyrimidine, 9C1



CAS Registry Number: 271-70-5

Molecular Formula: C₆H₅N₃

Molecular Weight: 119.126

Accurate Mass: 119.048347

Percentage Composition: C 60.50%; H 4.23%; N 35.27%

Use/Importance: Isosteric and isoelectronic with purine. Nucleotide and nucleoside analogues contg. this nucleus can be used as fluorescent biol. probes

Physical Description: Needles (EtOAc/hexane)

Melting Point: Mp 133-134° (131-133°)

Other Data: Intense blue fluor.

References:

Davoll, J., *J.C.S.*, 1960, 131, (*synth*)

Seela, F. *et al.*, *Annalen*, 1983, 1576, (*synth, uv, pmr*)