



>>Entry Name: 3-Hydroxy-5-methylpyridazine

Synonym(s): 5-Methyl-3(2*H*)-pyridazinone, 9CI

CAS Registry Number: 54709-94-3

Molecular Formula: C₅H₆N₂O

Molecular Weight: 110.115

Accurate Mass: 110.048013

Percentage Composition: C 54.54%; H 5.49%; N 25.44%; O 14.53%

Physical Description: Prisms (EtOAc)

Melting Point: Mp 160-161° (151-153°)

>>Derivative: 2-Ph

CAS Registry Number: 68143-02-2

Molecular Formula: C₁₁H₁₀N₂O

Molecular Weight: 186.213

Accurate Mass: 186.079313

Percentage Composition: C 70.95%; H 5.41%; N 15.04%; O 8.59%

Physical Description: Cryst. (cyclohexane or Et₂O/petrol)

Melting Point: Mp 84°

References:

Schmidt, P. *et al.*, *Helv. Chim. Acta*, 1954, **37**, 1467, (*synth*)

Wiley, R.H. *et al.*, *J.A.C.S.*, 1955, **77**, 403, (*deriv*)

Ogata, M. *et al.*, *Chem. Pharm. Bull.*, 1963, **11**, 35, (*synth*)

McNab, H. *et al.*, *J.C.S. Perkin 1*, 1982, 1845; 1983, 1203, (*synth, deriv, cmr*)