



>>Entry Name: 2-Hydroxy-4,6-dimethylpyrimidine

Synonym(s): 4,6-Dimethyl-2-pyrimidinol, 9Cl. 4,6-Dimethyl-2(1*H*)-pyrimidinone

CAS Registry Number: 108-79-2

Molecular Formula: C₆H₈N₂O

Molecular Weight: 124.142

Accurate Mass: 124.063663

Percentage Composition: C 58.05%; H 6.50%; N 22.57%; O 12.89%

Physical Description: Colourless and yellow forms reported. Prisms, columns or tablets + 2H₂O (H₂O)

Melting Point: Mp 198-199°

Solubility: Sol. EtOH, spar. sol. Et₂O, C₆H₆

pKa Value: p*K*_{a1} 3.77; p*K*_{a2} 10.5 (20°)

Aldrich: 22588-6

Fluka: 40722

>>Derivative: Hydrochloride

CAS Registry Number: 34289-60-6

Melting Point: Mp 260° (dec.)

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 364A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 810D, (*ir*)

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Roblin, R.O. *et al.*, *J.A.C.S.*, 1950, **72**, 4890

Klötzer, W., *Monatsh. Chem.*, 1956, **87**, 536

Kosolapoff, G.M. *et al.*, *J.O.C.*, 1961, **26**, 1895

Brown, D.J. *et al.*, *J.C.S.(B)*, 1971, 2214, (*pmr*)