



>>Entry Name: 2-Hydroxy-5-methylpyrimidine

Synonym(s): 5-Methyl-2-pyrimidinol. 5-Methyl-2(1*H*)-pyrimidinone, 9CI

CAS Registry Number: 41398-85-0

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: Cryst. (H₂O)

Melting Point: Mp 217-218°

>>Variant: *OH*-form

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%

>>Derivative: Me ether

CAS Registry Number: 17758-07-5

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%

Boiling Point: Bp₁₀ 96°

>>Derivative: Et ether

CAS Registry Number: 17758-09-7

Molecular Formula: C₇H₁₀N₂O

Molecular Weight: 138.169

Accurate Mass: 138.079313

Percentage Composition: C 60.85%; H 7.29%; N 20.27%; O 11.58%

Boiling Point: Bp₂ 78-79°

References:

Brown, D.J. *et al.*, *Aust. J. Chem.*, 1968, **21**, 243

Holy, A. *et al.*, *Coll. Czech. Chem. Comm.*, 1973, **38**, 1371, (*synth*)