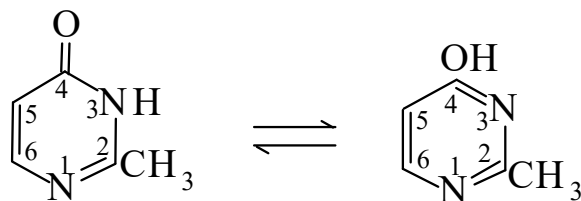




>>Entry Name: 4-Hydroxy-2-methylpyrimidine

Synonym(s): 2-Methyl-4(3*H*)-pyrimidinone, 9CI



CAS Registry Number: 19875-04-8

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. (C₆H₆/Et₂O)

Melting Point: Mp 213-214°

>>Derivative: Hydrochloride

CAS Registry Number: 19875-03-7

Melting Point: Mp 259-260 dec.°

>>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

Synonym(s): 4-Methoxy-2-methylpyrimidine

CAS Registry Number: 7314-65-0

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: Oil

pKa Value: pK_a 4

>>Derivative: Me ether, picrate

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 159°

>>Derivative: Et ether

Synonym(s): 4-Ethoxy-2-methylpyrimidine

CAS Registry Number: 24903-66-0

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%

Physical Description: Oil

>>Derivative: Ph ether

Synonym(s): 2-Methyl-4-phenoxyprymidine

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: Oil