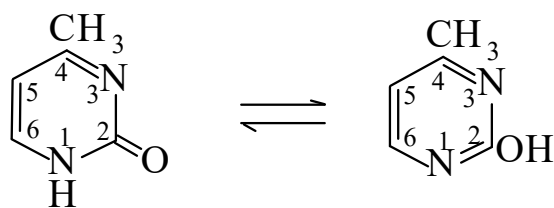




>>Entry Name: 2-Hydroxy-4-methylpyrimidine

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



Related CAS Registry Numbers(s): 5348-51-6

Molecular Formula: C<sub>5</sub>H<sub>6</sub>N<sub>2</sub>O

Molecular Weight: 110.115

Accurate Mass: 110.048013

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

pKa Value: pK<sub>a1</sub> 3.15; pK<sub>a2</sub> 9.8

>>Derivative: Hydrochloride

Physical Description: Needles (EtOH/HCl aq.)

Melting Point: Mp 246 dec.°

>>Variant: *OH*-form

Molecular Formula: C<sub>5</sub>H<sub>6</sub>N<sub>2</sub>O

Molecular Weight: 110.115

Accurate Mass: 110.048013

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

Other Data: Minor tautomer

>>Derivative: Me ether

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

CAS Registry Number: 14001-60-6

Molecular Formula: C<sub>6</sub>H<sub>8</sub>N<sub>2</sub>O

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

Boiling Point: Bp<sub>21</sub> 89°

pKa Value: pK<sub>a1</sub> 2.1

>>Derivative: Et ether

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

CAS Registry Number: 17758-42-8

Molecular Formula: C<sub>7</sub>H<sub>10</sub>N<sub>2</sub>O

Molecular Weight: 138.169

Accurate Mass: 138.079313

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

Melting Point: Mp 104-106°

>>Derivative: Ph ether

Synonym(s): 4-Methyl-2-phenoxy-pyrimidine

Molecular Formula: C<sub>11</sub>H<sub>10</sub>N<sub>2</sub>O

Molecular Weight: 186.213

Accurate Mass: 186.079313

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

Melting Point: Mp 80-82°

>>Variant: 1*H*-form

CAS Registry Number: 15231-48-8

Molecular Formula: C<sub>5</sub>H<sub>6</sub>N<sub>2</sub>O

Molecular Weight: 110.115

Accurate Mass: 110.048013

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