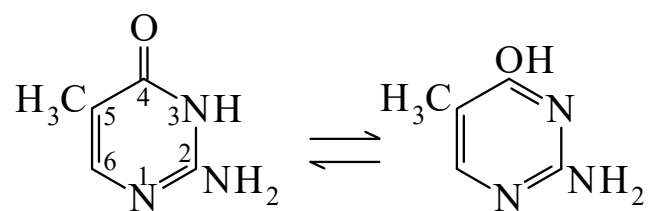




>>Entry Name: 2-Amino-4-hydroxy-5-methylpyrimidine

Synonym(s): 2-Amino-5-methyl-4(3*H*)-pyrimidinone, 9CI



CAS Registry Number: 15981-91-6

Molecular Formula: C₅H₇N₃O

Molecular Weight: 125.13

Accurate Mass: 125.058912

Percentage Composition: C 47.99%; H 5.64%; N 33.58%; O 12.79%

Physical Description: Prisms (H₂O)

Melting Point: Mp 320-321 dec.°

Solubility: Spar. sol. H₂O, sol. alkalis

>>Derivative: 2-*N*-Me

Molecular Formula: C₆H₉N₃O

Molecular Weight: 139.157

Accurate Mass: 139.074562

Percentage Composition: C 51.79%; H 6.52%; N 30.20%; O 11.50%

Physical Description: Cryst. +1H₂O (H₂O)

Melting Point: Mp 213°

>>Derivative: 2-*N*-Me; sulfate

Melting Point: Mp 202°

References:

Scherp, H.W., *J.A.C.S.*, 1946, **68**, 912