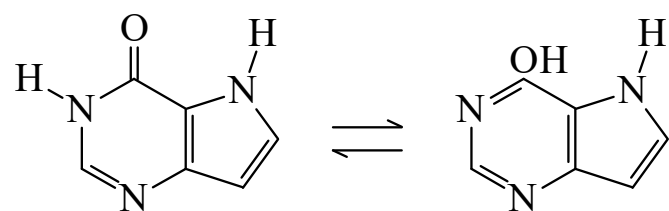




>>Entry Name: 1,5-Dihydro-4*H*-pyrrolo[3,2-*d*]pyrimidin-4-one, 9CI

Synonym(s): 9-Deazahypoxanthine. 3*H*,5*H*-Pyrrolo[3,2-*d*]pyrimidin-4-one. 6,7-Dihydro-7-oxo-1,4,6-triazaindene. 4-Hydroxy-5*H*-pyrrolo[3,2-*d*]pyrimidine



CAS Registry Number: 5655-01-6

Molecular Formula: C₆H₅N₃O

Molecular Weight: 135.125

Accurate Mass: 135.043262

Percentage Composition: C 53.33%; H 3.73%; N 31.10%; O 11.84%

Physical Description: Prisms (H₂O)

Melting Point: Mp 300°

>>Variant: *OH*-form

Molecular Formula: C₆H₅N₃O

Molecular Weight: 135.125

Accurate Mass: 135.043262

Percentage Composition: C 53.33%; H 3.73%; N 31.10%; O 11.84%

>>Derivative: Me ether

Synonym(s): 4-Methoxy-5*H*-pyrrolo[3,2-*d*]pyrimidine, 9CI

CAS Registry Number: 144216-57-9

Molecular Formula: C₇H₇N₃O

Molecular Weight: 149.152

Accurate Mass: 149.058912

Percentage Composition: C 56.37%; H 4.73%; N 28.17%; O 10.73%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 158-159°

References:

Imai, K., *Chem. Pharm. Bull.*, 1964, **12**, 1030, (*synth*, *pmr*, *cmr*)

Brakta, M. *et al.*, *J.C.S. Perkin 1*, 1992, 1883, (*synth*, *pmr*)

Furneaux, R.H. *et al.*, *J.O.C.*, 1999, **64**, 8411-8412, (*synth*, *cmr*)