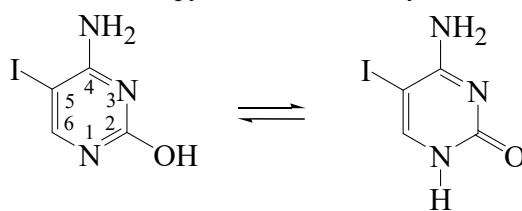




>>Entry Name: 4-Amino-2-hydroxy-5-iodopyrimidine

Synonym(s): 4-Amino-5-iodo-2(1*H*)-pyrimidinone, 9CI. 4-Amino-5-iodo-2-pyrimidinol. 5-Iodocytosine



CAS Registry Number: 1122-44-7

Related CAS Registry Numbers(s): 82908-30-3 82908-34-7

Molecular Formula: C₄H₄IN₃O

Molecular Weight: 237

Accurate Mass: 236.93991

Percentage Composition: C 20.27%; H 1.70%; I 53.55%; N 17.73%; O 6.75%

Physical Description: Off-white solid or cryst.

Melting Point: Mp 248°

pKa Value: p*K*_{a1} 3.32; p*K*_{a2} 10.6 (25°,H₂O)

Rare Chemicals Library: S44810-9

Sigma: I6875

>>Derivative: Acetate salt

Physical Description: Prisms

Melting Point: Mp 220-240° (dec.)

Other Data: Mp varies with rate of heating

>>Derivative: Picrate

Physical Description: Needles (H₂O)

Melting Point: Mp 247-257° (dec.)

References:

Garnett, E.R. *et al.*, *J. Phys. Chem.*, 1974, **63**, 899, (*pK_a*, *solvolysis*)

Watanabe, K.A. *et al.*, *J. Med. Chem.*, 1983, **26**, 152-156, (*synth*, *ir*)

Okabe, N. *et al.*, *Acta Cryst. C*, 1995, **51**, 2696, (*cryst struct*)