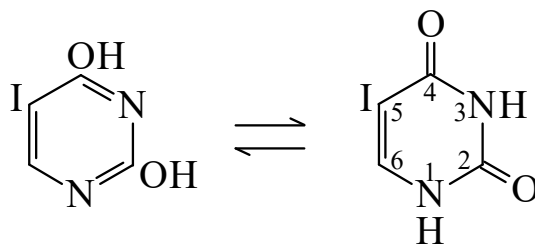




>>Entry Name: 5-Iodo-2,4-pyrimidinediol

Synonym(s): 5-Iodo-2,4(1*H*,3*H*)-pyrimidinedione, 9Cl. 5-Iodo-2,4-dihydroxypyrimidine. 5-Iodouracil



CAS Registry Number: 696-07-1

Related CAS Registry Numbers(s): 40738-83-8

Molecular Formula: C₄H₃IN₂O₂

Molecular Weight: 237.984

Accurate Mass: 237.923926

Percentage Composition: C 20.19%; H 1.27%; I 53.32%; N 11.77%; O 13.45%

Use/Importance: Antimetabolite incorp. into nucleic acids

Physical Description: Cryst. (H₂O)

Melting Point: Mp 272 dec.°

Aldrich: 85785-8

Sigma: I5016

>>Derivative: 1,3-Di-Me

Synonym(s): 5-Iodo-1,3-dimethyluracil

CAS Registry Number: 40738-83-8

Molecular Formula: C₆H₇IN₂O₂

Molecular Weight: 266.038

Accurate Mass: 265.955226

Percentage Composition: C 27.09%; H 2.65%; I 47.70%; N 10.53%; O 12.03%

Physical Description: Cryst. (MeOH), fine needles (EtOH)

Melting Point: Mp 124-125°. Mp 210-230 subl.°. Mp 230-231°

Aldrich: 41529-4

Sigma: I9020

>>Derivative: 1-β-D-Ribofuranosyl

>>Derivative: 1-β-D-(2-Deoxyribofuranosyl)

References:

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