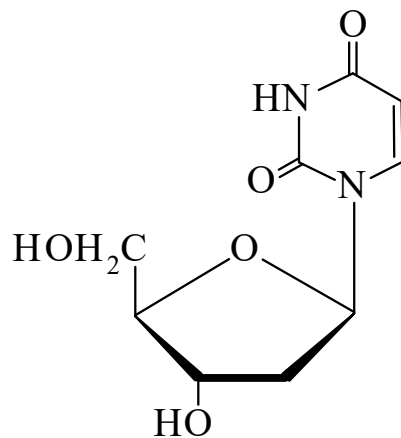




>>Entry Name: 2'-Deoxyuridine, 9CI

Synonym(s): 1-(2-Deoxy-β-D-*erythro*-pentofuranosyl)uracil. 1-(2-Deoxy-β-D-ribofuranosyl)uracil



CAS Registry Number: 951-78-0

Molecular Formula: C₉H₁₂N₂O₅

Molecular Weight: 228.204

Accurate Mass: 228.074623

Percentage Composition: C 47.37%; H 5.30%; N 12.28%; O 35.06%

Biological Source: Isol. from *Acanthaster planci*, *Acanthaster pauci*, *Aplidium pantherinum*, *Chara globularis* and *Ptychodera flava*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 167° (163.5°)

Optical Rotation: [α]_D +30 (H₂O). [α]_D +50 (1M NaOH)

Other Data: λ_{max} 262 nm (ε 10 200) (pH 7)

Aldrich: 85287-2

Fluka: 31180

Sigma: D3251

>>Derivative: 5'-Phosphate

Synonym(s): 2'-Deoxy-5'-uridylic acid, 9CI

CAS Registry Number: 964-26-1

Molecular Formula: C₉H₁₃N₂O₈P

Molecular Weight: 308.184

Accurate Mass: 308.040955

Percentage Composition: C 35.08%; H 4.25%; N 9.09%; O 41.53%; P 10.05%

>>Derivative: 5'-Ac

Molecular Formula: C₁₁H₁₄N₂O₆

Molecular Weight: 270.241

Accurate Mass: 270.085188

Percentage Composition: C 48.89%; H 5.22%; N 10.37%; O 35.52%

Melting Point: Mp 96°

>>Derivative: 5'-Trityl

CAS Registry Number: 14270-73-6

Molecular Formula: C₂₈H₂₆N₂O₅

Molecular Weight: 470.524

Accurate Mass: 470.184173

Percentage Composition: C 71.48%; H 5.57%; N 5.95%; O 17.00%

Melting Point: Mp 204-205°