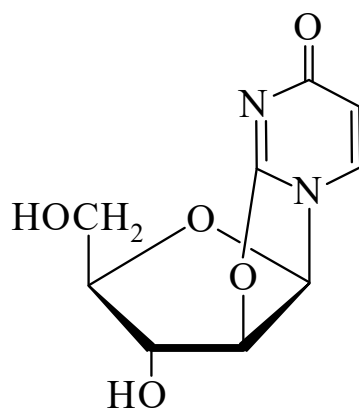




>> Name: 2,2'-Anhydro-1-arabinofuranosyluracil, 8Cl



Molecular Formula: C₉H₁₀N₂O₅

Molecular Weight: 226.188

Accurate Mass: 226.058973

Percentage Composition: C 47.79%; H 4.46%; N 12.38%; O 35.37%

>>Variant: β-D-form

Synonym(s): 2'-O²-Cyclouridine

CAS Registry Number: 3736-77-4

Molecular Formula: C₉H₁₀N₂O₅

Molecular Weight: 226.188

Accurate Mass: 226.058973

Percentage Composition: C 47.79%; H 4.46%; N 12.38%; O 35.37%

Melting Point: Mp 240-245°

Optical Rotation: [α]_D²⁷ -20 (c, 0.4 in H₂O)

Other Data: λ_{max} 270 sh, 249, 223 nm (H₂O)

Aldrich: 32444-2

Sigma: A1761

>>Derivative: 5'-Ac

CAS Registry Number: 25383-78-2

Molecular Formula: C₁₁H₁₂N₂O₆

Molecular Weight: 268.226

Accurate Mass: 268.069538

Percentage Composition: C 49.26%; H 4.51%; N 10.44%; O 35.79%

Melting Point: Mp 169-170°

Other Data: λ_{max} 249 (ε 7 700), 225 nm (8 400) (MeOH)

>>Derivative: 3',5'-Di-Ac

CAS Registry Number: 28309-53-7

Molecular Formula: C₁₃H₁₄N₂O₇

Molecular Weight: 310.263

Accurate Mass: 310.080103

Percentage Composition: C 50.33%; H 4.55%; N 9.03%; O 36.10%

Melting Point: Mp 178-179°

>>Derivative: 5'-Benzoyl

CAS Registry Number: 34308-07-1

Molecular Formula: C₁₆H₁₄N₂O₆

Molecular Weight: 330.296

Accurate Mass: 330.085188

Percentage Composition: C 58.18%; H 4.27%; N 8.48%; O 29.06%

Melting Point: Mp 201-203°

Optical Rotation: [α]_D²⁵ +23.5 (MeOH)