



Melting Point: Mp 146-147°
Sigma: I5252

>>**Derivative:** 2',3'-*O*-Benzylidene

CAS Registry Number: 3257-71-4

Molecular Formula: C₁₆H₁₆N₂O₆
Molecular Weight: 332.312
Accurate Mass: 332.100838
Percentage Composition: C 57.83%; H 4.85%; N 8.43%; O 28.89%
Melting Point: Mp 189-190°

>>**Derivative:** 5'-Phosphate

>>**Derivative:** 5'-Diphosphate

Synonym(s): Uridine 5'-(trihydrogen diphosphate), 9Cl. Uridine 5'-(trihydrogen pyrophosphate), 8Cl. UDP. Uridine diphosphate

CAS Registry Number: 58-98-0

Biological Source: Isol. from calf's liver, thymus and yeast
Melting Point: Mp 195 dec.° (as tri-Na salt)

>>**Derivative:** 5'-Triphosphate

>>**Derivative:** 5'-Trityl

CAS Registry Number: 6554-10-5

Molecular Formula: C₂₈H₂₆N₂O₆
Molecular Weight: 486.523
Accurate Mass: 486.179088
Percentage Composition: C 69.12%; H 5.39%; N 5.76%; O 19.73%
Melting Point: Mp 200°
Optical Rotation: [α]_D +9.5 (Me₂CO)
Sigma: T7628

>>**Derivative:** *N*-Me

Synonym(s): 3-Methyluridine, 9Cl, 8Cl

CAS Registry Number: 2140-69-4

Molecular Formula: C₁₀H₁₄N₂O₆
Molecular Weight: 258.23
Accurate Mass: 258.085188
Percentage Composition: C 46.51%; H 5.46%; N 10.85%; O 37.17%
Biological Source: Present in the hydrolysates of yeast t-RNA
Melting Point: Mp 119-120°
Optical Rotation: [α]_D²⁶ +20.1 (H₂O)
UV: [neutral] $\lambda_{\max}$ 263 (ϵ 9110) (no solvent reported)

>>**Derivative:** *N*-Me, 2',3'-*O*-isopropylidene

CAS Registry Number: 32471-59-3
Molecular Formula: C₁₃H₁₈N₂O₆
Molecular Weight: 298.295
Accurate Mass: 298.116488
Percentage Composition: C 52.35%; H 6.08%; N 9.39%; O 32.18%
Melting Point: Mp 116-118°