



>>Derivative: 5'-Diphosphate

CAS Registry Number: 800-73-7

Molecular Formula: $C_9H_{15}N_3O_{10}P_2$

Molecular Weight: 387.179

Accurate Mass: 387.023271

Percentage Composition: C 27.92%; H 3.90%; N 10.85%; O 41.32%; P 16.00%

Physical Description: Powder

>>Derivative: 5'-Triphosphate

CAS Registry Number: 2056-98-6

Molecular Formula: $C_9H_{16}N_3O_{13}P_3$

Molecular Weight: 467.159

Accurate Mass: 466.989603

Percentage Composition: C 23.14%; H 3.45%; N 8.99%; O 44.52%; P 19.89%

Biological Use/Importance: RNA polymerase inhibitor

UV: [neutral] $\lambda_{\max}$ 270 () (H_2O)

>>Derivative: 3',4*N*-Di-Ac

CAS Registry Number: 70284-47-8

Molecular Formula: $C_{13}H_{17}N_3O_6$

Molecular Weight: 311.294

Accurate Mass: 311.111737

Percentage Composition: C 50.16%; H 5.50%; N 13.50%; O 30.84%

Physical Description: Needles (H_2O)

Melting Point: Mp 171°

>>Derivative: 4*N*-Benzoyl

CAS Registry Number: 4836-13-9

Molecular Formula: $C_{16}H_{17}N_3O_5$

Molecular Weight: 331.327

Accurate Mass: 331.116822

Percentage Composition: C 58.00%; H 5.17%; N 12.68%; O 24.14%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 205-207°

Optical Rotation: $[\alpha]_D^{25} +82$ (c, 0.6 in EtOH)

Other Data: $\lambda_{\max}$ 301 (ϵ 10 900), 258 nm (ϵ 20 500) (H_2O)

Aldrich: 25847-4

Fluka: 12956

Sigma: B5882

>>Derivative: 3',4*N*-Dibenzoyl

CAS Registry Number: 51549-49-6

Molecular Formula: $C_{23}H_{21}N_3O_6$

Molecular Weight: 435.435

Accurate Mass: 435.143037

Percentage Composition: C 63.44%; H 4.86%; N 9.65%; O 22.05%

Physical Description: Plates (EtOH)

Melting Point: Mp 222-224 dec.°

Optical Rotation: $[\alpha]_D^{25} +1$ (c, 1.0 in DMF)