



>>Derivative: 5'-Triphosphate

CAS Registry Number: 1927-31-7

Extra CAS Registry Numbers(s): 95069-73-1

Molecular Formula: $C_{10}H_{16}N_5O_{12}P_3$

Molecular Weight: 491.184

Accurate Mass: 491.000836

Percentage Composition: C 24.45%; H 3.28%; N 14.26%; O 39.09%; P 18.92%

Use/Importance: RNA polymerase inhibitor. Active metabolite of Cordycepin [HGJ67-E](#)

Physical Description: Solid (EtOH aq.)

UV: [neutral] $\lambda_{\max}$ 259 () (H₂O)

>>Derivative: 3'-Ac

CAS Registry Number: 6612-73-3

Molecular Formula: $C_{12}H_{15}N_5O_4$

Molecular Weight: 293.282

Accurate Mass: 293.112405

Percentage Composition: C 49.14%; H 5.15%; N 23.88%; O 21.82%

Physical Description: Prisms (EtOAc)

Melting Point: Mp 216-217°

UV: [neutral] $\lambda_{\max}$ 260 (ϵ 14300) (H₂O)

Sigma: A4141

>>Derivative: 5'-Ac

Molecular Formula: $C_{12}H_{15}N_5O_4$

Molecular Weight: 293.282

Accurate Mass: 293.112405

Percentage Composition: C 49.14%; H 5.15%; N 23.88%; O 21.82%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 140-141°

UV: [neutral] $\lambda_{\max}$ 260 (ϵ 14400) (H₂O)

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

CAS Registry Number: 17318-24-0

Molecular Formula: $C_{14}H_{17}N_5O_5$

Molecular Weight: 335.319

Accurate Mass: 335.12297

Percentage Composition: C 50.15%; H 5.11%; N 20.89%; O 23.86%

Physical Description: Needles (EtOAc/petrol)

Melting Point: Mp 151-152°

Sigma: D7524

>>Derivative: 6*N*-Benzoyl

CAS Registry Number: 4546-72-9

Molecular Formula: $C_{17}H_{17}N_5O_4$

Molecular Weight: 355.352

Accurate Mass: 355.128055

Percentage Composition: C 57.46%; H 4.82%; N 19.71%; O 18.01%

Physical Description: Needles (H₂O)

Melting Point: Mp 113-115°