



CAS Registry Number: 25030-31-3

Molecular Formula: $C_{10}H_{14}N_6O_6S$

Molecular Weight: 346.323

Accurate Mass: 346.069554

Percentage Composition: C 34.68%; H 4.07%; N 24.27%; O 27.72%; S 9.26%

Biological Source: Isol. from *Streptomyces* sp.

Biological Use/Importance: Cytotoxic to P388 cells and inhibitory to bacteria

Physical Description: Cryst. + 1H₂O (H₂O)

Melting Point: Mp 153-155 (softened) 165° dec.°

Optical Rotation: $[\alpha]_D^{33} -33.6$ (c, 1.0 in DMF)

>>Derivative: 2',3'-O-Isopropylidene

CAS Registry Number: 362-75-4

Molecular Formula: $C_{13}H_{17}N_5O_4$

Molecular Weight: 307.308

Accurate Mass: 307.128055

Percentage Composition: C 50.81%; H 5.58%; N 22.79%; O 20.83%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 220°

Aldrich: I-2240-4

Fluka: 59440

Sigma: I4002

>>Derivative: 2',3'-O-Isopropylidene, 5'-Ac

CAS Registry Number: 15888-38-7

Molecular Formula: $C_{15}H_{19}N_5O_5$

Molecular Weight: 349.346

Accurate Mass: 349.13862

Percentage Composition: C 51.57%; H 5.48%; N 20.05%; O 22.90%

Physical Description: Cryst. (CHCl₃/Et₂O)

Melting Point: Mp 170-172°

Aldrich: 85801-3

Sigma: I4127