Physical Description: No phys. props. reported

>>**Derivative:** 3'-Ac

CAS Registry Number: 28224-91-1

Molecular Formula: $C_{12}H_{14}N_4O_6$
Molecular Weight: 310.266
Accurate Mass: 310.091336
Percentage Composition: C 46.45%; H 4.55%; N 18.06%; O 30.94%
Physical Description: Cryst. (MeOH)
Melting Point: Mp 208.5-210°

>>**Derivative:** 2',3',5'-Tri-Ac

CAS Registry Number: 3181-38-2

Molecular Formula: $C_{16}H_{18}N_4O_8$
Molecular Weight: 394.34
Accurate Mass: 394.112466
Percentage Composition: C 48.73%; H 4.60%; N 14.21%; O 32.46%
Melting Point: Mp 194-195°. Mp 236°

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

CAS Registry Number: 2140-11-6

Molecular Formula: $C_{13}H_{16}N_4O_5$
Molecular Weight: 308.293
Accurate Mass: 308.112071
Percentage Composition: C 50.65%; H 5.23%; N 18.17%; O 25.95%
Melting Point: Mp 274°
Sigma: I4502

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

Molecular Formula: $C_{29}H_{26}N_4O_5$
Molecular Weight: 510.548
Accurate Mass: 510.190321
Percentage Composition: C 68.22%; H 5.13%; N 10.97%; O 15.67%
Melting Point: Mp 199-200°. Mp 253-254°

>>**Derivative:** 3'-*O*-α-D-Glucopyranosyl
Synonym(s): 3'-*O*-α-D-Glucopyranosylinosine

Molecular Formula: $C_{16}H_{22}N_4O_{10}$
Molecular Weight: 430.371
Accurate Mass: 430.133596
Percentage Composition: C 44.65%; H 5.15%; N 13.02%; O 37.18%
Biological Source: Isol. from the crustacean *Ligia exotica*
Physical Description: Amorph. solid
Optical Rotation: $[\alpha]_D^{20}$+38 (c, 0.34 in H_2O)
UV: [neutral] λ_{max} 248 (ε 8400) (H_2O)

>>**Variant:** 1*H*-form

Molecular Formula: $C_{10}H_{12}N_4O_5$
Molecular Weight: 268.229
Accurate Mass: 268.080771
Percentage Composition: C 44.78%; H 4.51%; N 20.89%; O 29.82%

>>**Derivative:** 1-Me
Synonym(s): 1-Methylinosine

CAS Registry Number: 2140-73-0