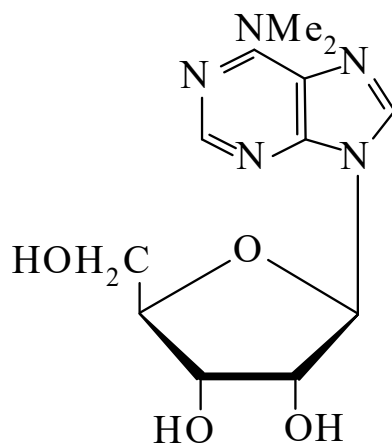




>>Entry Name: *N,N*-Dimethyladenosine, 9Cl, 8Cl



CAS Registry Number: 2620-62-4

Type of Compound Code(s): VE9900 AF9900

Molecular Formula: C₁₂H₁₇N₅O₄

Molecular Weight: 295.297

Accurate Mass: 295.128055

Percentage Composition: C 48.81%; H 5.80%; N 23.72%; O 21.67%

Biological Source: Component of *t*-RNA and of Puromycin. Isol. from *E. coli* ribosomal RNA and *Triticum* spp.

Physical Description: Needles (Me₂CO aq.)

Melting Point: Mp 182-183°

Optical Rotation: $[\alpha]_D^{20} -58.5$ (c, 2.3 in H₂O)

pKa Value: pK_{a1} 4.5 (22°)

Sigma: D2754

>>Derivative: 5'-Ac

Type of Compound Code(s): AF9900

Molecular Formula: C₁₄H₁₉N₅O₅

Molecular Weight: 337.335

Accurate Mass: 337.13862

Percentage Composition: C 49.85%; H 5.68%; N 20.76%; O 23.71%

Melting Point: Mp 114-119°

>>Derivative: 2'-Benzoyl

Type of Compound Code(s): AF9900

Molecular Formula: C₁₉H₂₁N₅O₅

Molecular Weight: 399.405

Accurate Mass: 399.15427

Percentage Composition: C 57.14%; H 5.30%; N 17.53%; O 20.03%

Melting Point: Mp 149-151°

>>Derivative: 3'-Benzoyl

Type of Compound Code(s): AF9900

Molecular Formula: C₁₉H₂₁N₅O₅

Molecular Weight: 399.405

Accurate Mass: 399.15427

Percentage Composition: C 57.14%; H 5.30%; N 17.53%; O 20.03%

Melting Point: Mp 176-177°

>>Derivative: 5'-Benzoyl

Type of Compound Code(s): AF9900

Molecular Formula: C₁₉H₂₁N₅O₅

Molecular Weight: 399.405

Accurate Mass: 399.15427

Percentage Composition: C 57.14%; H 5.30%; N 17.53%; O 20.03%

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 116-123°