



Molecular Formula: C₁₇H₂₂N₆O₆
Molecular Weight: 406.397
Accurate Mass: 406.160084
Percentage Composition: C 50.24%; H 5.46%; N 20.68%; O 23.62%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 224-225.5°
Optical Rotation: $[\alpha]_D^{21} -15$ (c, 1.0 in Py)
UV: [neutral] $\lambda_{\max}$ 259 (ε 13900) (pH 7) [acid] $\lambda_{\max}$ 257 (ε 13800) (pH 1) [base] $\lambda_{\max}$ 260 (ε 14200) (pH 13)

>>**Derivative:** 6,6-Di-*N*-Me
Synonym(s): Puromycin aminonucleoside

CAS Registry Number: 58-60-6

Molecular Formula: C₁₂H₁₈N₆O₃
Molecular Weight: 294.313
Accurate Mass: 294.144039
Percentage Composition: C 48.97%; H 6.16%; N 28.55%; O 16.31%
Physical Description: Cryst. (MeOH or EtOH)
Melting Point: Mp 215-216°
Optical Rotation: $[\alpha]_D^{25} -24.6$ (c, 3.0 in H₂O)
Hazard & Toxicity: Nephritis inducer

>>**Derivative:** 3',6,6-Tri-*N*-Me

CAS Registry Number: 34522-43-5

Molecular Formula: C₁₃H₂₀N₆O₃
Molecular Weight: 308.339
Accurate Mass: 308.159689
Percentage Composition: C 50.64%; H 6.54%; N 27.26%; O 15.57%
Physical Description: Cryst. (H₂O)
Melting Point: Mp 216-218°
Optical Rotation: $[\alpha]_D^{23} -52$ (c, 0.97 in EtOH)
UV: [neutral] $\lambda_{\max}$ 214 (ε 17100); 275 (ε 19400) (pH 7) [acid] $\lambda_{\max}$ 208 (ε 20100); 267 (ε 19200) (pH 1) [base] $\lambda_{\max}$ 275 (ε 19700) (pH 13)

>>**Derivative:** 3',3',6,6-Tetra-*N*-Me

CAS Registry Number: 25787-42-2

Molecular Formula: C₁₄H₂₂N₆O₃
Molecular Weight: 322.366
Accurate Mass: 322.175339
Percentage Composition: C 52.16%; H 6.88%; N 26.07%; O 14.89%
Physical Description: Cryst. (H₂O)
Melting Point: Mp 184.5-186°
Optical Rotation: $[\alpha]_D^{22} -27$ (c, 1.0 in H₂O)
UV: [neutral] $\lambda_{\max}$ 214 (ε 16100); 275 (ε 19000) (pH 7) [acid] $\lambda_{\max}$ 209 (ε 17700); 267 (ε 18600) (pH 1) [base] $\lambda_{\max}$ 276 (ε 700) (pH 13)

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