



>>Variant: 1,7-Dihydro-form

Molecular Formula: C₅H₅N₅O

Molecular Weight: 151.127

Accurate Mass: 151.04941

Percentage Composition: C 39.74%; H 3.33%; N 46.34%; O 10.59%

>>Derivative: 1-Me

>>Derivative: 1,7-Di-Me

>>Derivative: 7-β-D-Xylofuranosyl

CAS Registry Number: 99436-41-6

Molecular Formula: C₁₀H₁₃N₅O₅

Molecular Weight: 283.243

Accurate Mass: 283.09167

Percentage Composition: C 42.41%; H 4.63%; N 24.73%; O 28.24%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 262-264°

Optical Rotation: [α]_D²⁰ -33.3 (c, 0.57 in DMSO)

>>Variant: 1,9-Dihydro-form

Molecular Formula: C₅H₅N₅O

Molecular Weight: 151.127

Accurate Mass: 151.04941

Percentage Composition: C 39.74%; H 3.33%; N 46.34%; O 10.59%

Physical Description: Cryst. (H₂O)

>>Derivative: N², 9-Di-Ac

CAS Registry Number: 3056-33-5

Molecular Formula: C₉H₉N₅O₃

Molecular Weight: 235.202

Accurate Mass: 235.07054

Percentage Composition: C 45.96%; H 3.86%; N 29.78%; O 20.41%

Melting Point: Mp 285°

Aldrich: 37789-9

>>Derivative: 9-α-D-Xylofuranosyl

CAS Registry Number: 27462-38-0

Molecular Formula: C₁₀H₁₃N₅O₅

Molecular Weight: 283.243

Accurate Mass: 283.09167

Percentage Composition: C 42.41%; H 4.63%; N 24.73%; O 28.24%

Melting Point: Mp 186 dec.° (260-261°)

Optical Rotation: [α]_D²⁰ -17.1 (c, 0.76 in DMSO)

>>Derivative: 9-β-D-Xylofuranosyl

CAS Registry Number: 27462-39-1

Molecular Formula: C₁₀H₁₃N₅O₅

Molecular Weight: 283.243

Accurate Mass: 283.09167

Percentage Composition: C 42.41%; H 4.63%; N 24.73%; O 28.24%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 236-240°

Optical Rotation: [α]_D²⁰ -68.1 (c, 0.72 in DMSO)

>>Derivative: 9-(5-Deoxy-β-D-ribofuranosyl)