



CAS Registry Number: 2140-25-2

Molecular Formula: C₁₂H₁₅N₅O₅

Molecular Weight: 309.281

Accurate Mass: 309.10732

Percentage Composition: C 46.60%; H 4.89%; N 22.64%; O 25.87%

Melting Point: Mp 143°

>>Derivative: 3',5'-Di-Ac

CAS Registry Number: 6554-24-1

Molecular Formula: C₁₄H₁₇N₅O₆

Molecular Weight: 351.318

Accurate Mass: 351.117885

Percentage Composition: C 47.86%; H 4.88%; N 19.93%; O 27.32%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 175-176°

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

CAS Registry Number: 7387-57-7

Molecular Formula: C₁₆H₁₉N₅O₇

Molecular Weight: 393.355

Accurate Mass: 393.12845

Percentage Composition: C 48.86%; H 4.87%; N 17.80%; O 28.47%

Physical Description: Cryst. (EtOH or toluene)

Melting Point: Mp 174°

Optical Rotation: [α]_D²⁰ -27.9 (c, 2 in CHCl₃)

>>Derivative: 3',5'-Dibenzoyl

CAS Registry Number: 62374-24-7

Molecular Formula: C₂₄H₂₁N₅O₆

Molecular Weight: 475.46

Accurate Mass: 475.149185

Percentage Composition: C 60.63%; H 4.45%; N 14.73%; O 20.19%

Melting Point: Mp 193-194°

>>Derivative: 2',3',5'-Tribenzoyl

CAS Registry Number: 51549-15-6

Molecular Formula: C₃₁H₂₅N₅O₇

Molecular Weight: 579.568

Accurate Mass: 579.1754

Percentage Composition: C 64.24%; H 4.35%; N 12.08%; O 19.32%

Physical Description: Glass

Optical Rotation: [α]_D²² -71 (c, 1 CHCl₃)

UV: [neutral] $\lambda_{\max}$ 231 (ϵ 47100); 258 (ϵ 20500) (EtOH)

>>Derivative: 6*N*,2',3',5'-Tetrabenzoyl

CAS Registry Number: 6984-53-8

Molecular Formula: C₃₈H₂₉N₅O₈

Molecular Weight: 683.676

Accurate Mass: 683.201615

Percentage Composition: C 66.76%; H 4.28%; N 10.24%; O 18.72%

Physical Description: Glass

Optical Rotation: [α]_D²² -94 (c, 1 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 230 (ϵ 49200); 279 (ϵ 22400) (EtOH)