



>>Variant: α -D-Pyranose-form

CAS Registry Number: 10036-64-3

Molecular Formula: $C_8H_{15}NO_6$

Molecular Weight: 221.21

Accurate Mass: 221.089939

Percentage Composition: C 43.44%; H 6.83%; N 6.33%; O 43.40%

Melting Point: Mp 203-205 dec. $^{\circ}$

Optical Rotation: $[\alpha]_D^{21} +75 \rightarrow +41$ (c, 2 in H_2O)

>>Derivative: 1-Ac

>>Derivative: Di-Ac

Synonym(s): 2-Acetamido-1,3-di-*O*-acetyl-2-deoxy- α -D-glucopyranose

CAS Registry Number: 50605-11-3

Molecular Formula: $C_{12}H_{19}NO_8$

Molecular Weight: 305.284

Accurate Mass: 305.111069

Percentage Composition: C 47.21%; H 6.27%; N 4.59%; O 41.93%

Physical Description: Cryst. ($CHCl_3$)

Melting Point: Mp 172-173 $^{\circ}$

Optical Rotation: $[\alpha]_D^{20} +80$ (c, 1.0 in MeOH)

>>Derivative: 1,3,4,6-Tetra-Ac

Synonym(s): 2-Acetamido-1,3,4,6-tetra-*O*-acetyl-2-deoxy- α -D-glucopyranose

CAS Registry Number: 7784-54-5

Molecular Formula: $C_{16}H_{23}NO_{10}$

Molecular Weight: 389.358

Accurate Mass: 389.132199

Percentage Composition: C 49.36%; H 5.95%; N 3.60%; O 41.09%

Melting Point: Mp 139 $^{\circ}$

Optical Rotation: $[\alpha]_D +92$ ($CHCl_3$)

Sigma: G4658