



Melting Point: Mp 113°

Optical Rotation: $[\alpha]_D +142 \rightarrow +80.3$ (CHCl₃)

>>Derivative: Penta-Ac

>>Derivative: 1-Benzoyl, 2,3,4,6-tetra-Ac

Synonym(s): 2,3,4,6-Tetra-*O*-acetyl-1-*O*-benzoyl- α -D-glucopyranose

CAS Registry Number: 56225-80-0

Molecular Formula: C₂₁H₂₄O₁₁

Molecular Weight: 452.414

Accurate Mass: 452.131865

Percentage Composition: C 55.75%; H 5.35%; O 38.90%

Melting Point: Mp 60-63°

Optical Rotation: $[\alpha]_D^{18} +113.5$ (CHCl₃)

>>Derivative: 2,3-Dibenzoyl, 1,4,6-tri-Ac

Synonym(s): 1,4,6-Tri-*O*-acetyl-2,3-di-*O*-benzoyl- α -D-glucopyranose

Molecular Formula: C₂₆H₂₆O₁₁

Molecular Weight: 514.485

Accurate Mass: 514.147515

Percentage Composition: C 60.70%; H 5.09%; O 34.21%

Melting Point: Mp 167-168°

Optical Rotation: $[\alpha]_D +130.7$ (CHCl₃)

>>Derivative: Pentabenzoyl

Synonym(s): 1,2,3,4,6-Penta-*O*-benzoyl- α -D-glucopyranose

CAS Registry Number: 22415-91-4

Molecular Formula: C₄₁H₃₂O₁₁

Molecular Weight: 700.697

Accurate Mass: 700.194465

Percentage Composition: C 70.28%; H 4.60%; O 25.12%

Melting Point: Mp 187°

Optical Rotation: $[\alpha]_D^{20} +138.5$ (CHCl₃)

Aldrich: 29241-9

Sigma: G4516

>>Derivative: 1,2-*O*-Benzylidene

>>Derivative: 1,2-Methyl orthoacetate

>>Derivative: Me glycoside

>>Derivative: Me glycoside, 4,6-*O*-benzylidene

>>Derivative: Et glycoside

>>Derivative: Allyl glycoside

>>Derivative: Benzyl glycoside