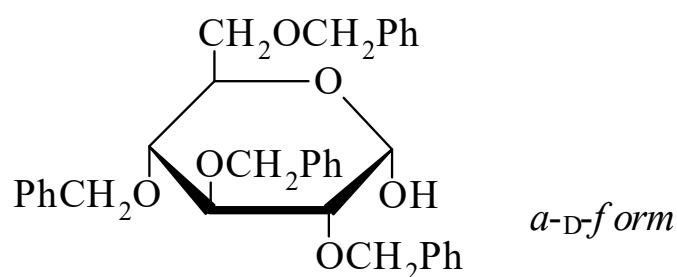




>>Entry Name: 2,3,4,6-Tetra-*O*-benzylglucose



Molecular Formula: C₃₄H₃₆O₆

Molecular Weight: 540.655

Accurate Mass: 540.25119

Percentage Composition: C 75.53%; H 6.71%; O 17.76%

>>Variant: α-D-Pyranose-form

CAS Registry Number: 6564-72-3

Extra CAS Registry Numbers(s): 38768-81-9

Molecular Formula: C₃₄H₃₆O₆

Molecular Weight: 540.655

Accurate Mass: 540.25119

Percentage Composition: C 75.53%; H 6.71%; O 17.76%

Physical Description: Needles (MeOH)

Melting Point: Mp 151-152°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +21.7$ (c, 2.2 in CHCl₃)

Fluka: 86730

>>Derivative: 1-(4-Nitrobenzoyl)

Physical Description: Needles (diisopropyl ether)

Melting Point: Mp 127-129°

Optical Rotation: $[\alpha]_{\text{D}}^{21} +73$ (c, 2.1 in CHCl₃)

>>Derivative: Me glycoside

Synonym(s): Methyl 2,3,4,6-tetra-*O*-benzyl-α-D-glucopyranoside

CAS Registry Number: 17791-37-6

Molecular Formula: C₃₅H₃₈O₆

Molecular Weight: 554.682

Accurate Mass: 554.26684

Percentage Composition: C 75.79%; H 6.90%; O 17.31%

Physical Description: Syrup

Optical Rotation: $[\alpha]_{\text{D}}^{20} +23.8$ (CHCl₃)

>>Variant: β-D-Pyranose-form

Extra CAS Registry Numbers(s): 38768-81-9

Molecular Formula: C₃₄H₃₆O₆

Molecular Weight: 540.655

Accurate Mass: 540.25119

Percentage Composition: C 75.53%; H 6.71%; O 17.76%

>>Derivative: 1-(4-Nitrobenzoyl)

Melting Point: Mp 96-98°

Optical Rotation: $[\alpha]_{\text{D}} -26$ (c, 6.0 in dioxan)