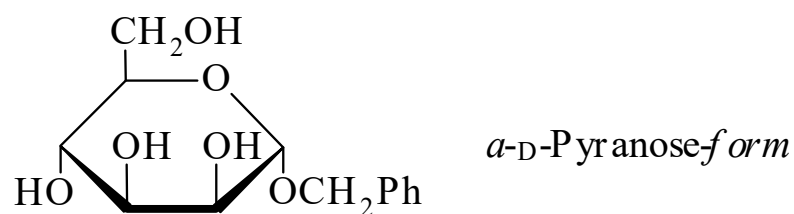




>>Entry Name: Benzyl mannoside



Molecular Formula: C₁₃H₁₈O₆

Molecular Weight: 270.282

Accurate Mass: 270.11034

Percentage Composition: C 57.77%; H 6.71%; O 35.52%

>>Variant: α-D-Pyranose-form

CAS Registry Number: 15548-45-5

Molecular Formula: C₁₃H₁₈O₆

Molecular Weight: 270.282

Accurate Mass: 270.11034

Percentage Composition: C 57.77%; H 6.71%; O 35.52%

Physical Description: Cryst. (EtOAc/Et₂O)

Melting Point: Mp 132-133°

Optical Rotation: [α]_D²⁵+73.5 (c, 1.5 in H₂O)

Sigma: B5782

>>Derivative: 2,3,6-Tri-Ac

Synonym(s): Benzyl 2,3,6-tri-*O*-acetyl-α-D-mannopyranoside

Molecular Formula: C₁₉H₂₄O₉

Molecular Weight: 396.393

Accurate Mass: 396.142035

Percentage Composition: C 57.57%; H 6.10%; O 36.33%

Physical Description: Cryst. (diisopropyl ether)

Melting Point: Mp 108°

Optical Rotation: [α]_D +48 (c, 0.98 in CHCl₃)

>>Derivative: Tetra-Ac

Synonym(s): Benzyl 2,3,4,6-tetra-*O*-acetyl-α-D-mannopyranoside

CAS Registry Number: 53691-35-3

Molecular Formula: C₂₁H₂₆O₁₀

Molecular Weight: 438.43

Accurate Mass: 438.1526

Percentage Composition: C 57.53%; H 5.98%; O 36.49%

Physical Description: Syrup

Optical Rotation: [α]_D +53 (c, 1.42 in CHCl₃)

>>Derivative: 2,3-*O*-Isopropylidene

Synonym(s): Benzyl 2,3-*O*-isopropylidene-α-D-mannopyranoside

Molecular Formula: C₁₆H₂₂O₆

Molecular Weight: 310.346

Accurate Mass: 310.14164

Percentage Composition: C 61.92%; H 7.14%; O 30.93%

Physical Description: Glass

Optical Rotation: [α]_D²⁵+42 (c, 1 in CHCl₃)