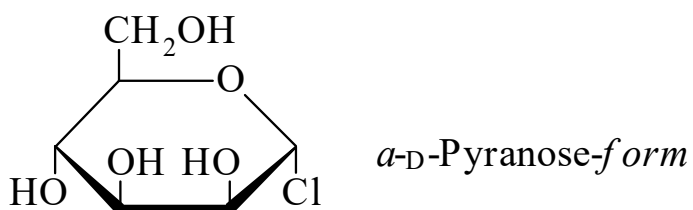




>>Entry Name: Mannopyranosyl chloride



Molecular Formula: C₆H₁₁ClO₅

Molecular Weight: 198.603

Accurate Mass: 198.029502

Percentage Composition: C 36.29%; H 5.58%; Cl 17.85%; O 40.28%

>>Variant: α -D-form

Molecular Formula: C₆H₁₁ClO₅

Molecular Weight: 198.603

Accurate Mass: 198.029502

Percentage Composition: C 36.29%; H 5.58%; Cl 17.85%; O 40.28%

>>Derivative: 2,4-Di-Ac, 3,6-dibenzyl

Synonym(s): 2,4-Di-*O*-acetyl-3,6-di-*O*-benzyl- α -D-mannopyranosyl chloride

CAS Registry Number: 79317-22-9

Molecular Formula: C₂₄H₂₇ClO₇

Molecular Weight: 462.926

Accurate Mass: 462.144532

Percentage Composition: C 62.27%; H 5.88%; Cl 7.66%; O 24.19%

Physical Description: Syrup

Optical Rotation: [α]_D +40 (c, 0.3 in CHCl₃)

>>Derivative: 4,6-Di-Ac, 2,3-dibenzyl

Synonym(s): 4,6-Di-*O*-acetyl-2,3-di-*O*-benzyl- α -D-mannopyranosyl chloride

Molecular Formula: C₂₄H₂₇ClO₇

Molecular Weight: 462.926

Accurate Mass: 462.144532

Percentage Composition: C 62.27%; H 5.88%; Cl 7.66%; O 24.19%

Physical Description: Syrup

Optical Rotation: [α]_D²⁰ +28.8 (c, 4.7 in CH₂Cl₂)

>>Derivative: Tetra-Ac

Synonym(s): 2,3,4,6-Tetra-*O*-acetyl- α -D-mannopyranosyl chloride

CAS Registry Number: 14257-40-0

Molecular Formula: C₁₄H₁₉ClO₉

Molecular Weight: 366.751

Accurate Mass: 366.071762

Percentage Composition: C 45.85%; H 5.22%; Cl 9.67%; O 39.26%

Physical Description: Cryst.

Melting Point: Mp 81°

Optical Rotation: [α]_D²⁰ +90.6 (CHCl₃)

Sigma: A5155

>>Derivative: Tetrabenzoyl

Synonym(s): 2,3,4,6-Tetra-*O*-benzoyl- α -D-mannopyranosyl chloride

CAS Registry Number: 14262-87-4

Molecular Formula: C₃₄H₂₇ClO₉

Molecular Weight: 615.035

Accurate Mass: 614.134362

Percentage Composition: C 66.40%; H 4.42%; Cl 5.76%; O 23.41%

Physical Description: Amorph. solid

Optical Rotation: [α]