



Molecular Weight: 346.333
Accurate Mass: 346.126385
Percentage Composition: C 52.02%; H 6.40%; O 41.58%
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 49° (55°)
Optical Rotation: $[\alpha]_{\text{D}}^{20} +48$ (c, 1.0 in CHCl₃)

>>**Derivative:** Me glycoside

>>**Derivative:** Benzyl glycoside

>>**Variant:** β-D-Pyranose-form

CAS Registry Number: 7322-31-8

Molecular Formula: C₆H₁₂O₆
Molecular Weight: 180.157
Accurate Mass: 180.06339
Percentage Composition: C 40.00%; H 6.71%; O 53.28%
Melting Point: Mp 132 dec.°
Optical Rotation: $[\alpha]_{\text{D}}^{20} -17 \rightarrow +14.6$ (c, 4 in H₂O)

>>**Derivative:** 1,2,3,4-Tetra-Ac

Synonym(s): 1,2,3,4-Tetra-*O*-acetyl-β-D-mannopyranose

CAS Registry Number: 28154-37-2

Molecular Formula: C₁₄H₂₀O₁₀
Molecular Weight: 348.306
Accurate Mass: 348.10565
Percentage Composition: C 48.28%; H 5.79%; O 45.93%
Melting Point: Mp 135-136°
Optical Rotation: $[\alpha]_{\text{D}}^{20} -22.5$ (CHCl₃)

>>**Derivative:** 1,2,3,4-Tetra-Ac, 6-mesyl

Synonym(s): 1,2,3,4-Tetra-*O*-acetyl-6-*O*-mesyl-β-D-mannopyranose

CAS Registry Number: 28154-38-3

Molecular Formula: C₁₅H₂₂O₁₂S
Molecular Weight: 426.398
Accurate Mass: 426.0832
Percentage Composition: C 42.25%; H 5.20%; O 45.03%; S 7.52%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 119-120°
Optical Rotation: $[\alpha]_{\text{D}}^{27} -21$ (Py)

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

Synonym(s): 1,3,4,6-Tetra-*O*-acetyl-β-D-mannopyranose

CAS Registry Number: 18968-05-3

Molecular Formula: C₁₄H₂₀O₁₀
Molecular Weight: 348.306
Accurate Mass: 348.10565
Percentage Composition: C 48.28%; H 5.79%; O 45.93%
Melting Point: Mp 164-165°
Optical Rotation: $[\alpha]_{\text{D}}^{30} -23.6$ (c, 1.4 in CHCl₃)
Aldrich: 31024-7
Fluka: 86555
Sigma: T9278

>>**Derivative:** 2,3,4,6-Tetra-Ac

Synonym(s): 2,3,4,6-Tetra-*O*-acetyl-β-D-mannopyranose