



Melting Point: Mp 119-121°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +149$ (CHCl₃)

>>**Derivative:** Me glycoside

>>**Derivative:** 2,2,2-Trichloroethyl glycoside, tri-Ac

Melting Point: Mp 117-120°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +130.3$ (CHCl₃)

>>**Derivative:** 3,4-Dibenzyl

Synonym(s): 3,4-Di-*O*-benzyl- α -D-xylopyranose

Molecular Formula: C₁₉H₂₂O₅

Molecular Weight: 330.38

Accurate Mass: 330.146725

Percentage Composition: C 69.07%; H 6.71%; O 24.21%

Physical Description: Cryst.

Melting Point: Mp 135-136°

>>**Derivative:** 3,4-Dibenzyl, 1,2-di-Ac

Synonym(s): 1,2-Di-*O*-acetyl-3,4-di-*O*-benzyl- α -D-xylopyranose

Molecular Formula: C₂₃H₂₆O₇

Molecular Weight: 414.454

Accurate Mass: 414.167855

Percentage Composition: C 66.65%; H 6.32%; O 27.02%

Physical Description: Syrup

Optical Rotation: $[\alpha]_{\text{D}} +127$ (c, 0.7 in CHCl₃)

Other Data: Predominantly α -anomer

>>**Variant:** β -D-Pyranose-form

CAS Registry Number: 2460-44-8

Molecular Formula: C₅H₁₀O₅

Molecular Weight: 150.131

Accurate Mass: 150.052825

Percentage Composition: C 40.00%; H 6.71%; O 53.28%

>>**Derivative:** Tetra-Ac

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

CAS Registry Number: 4049-33-6

Molecular Formula: C₁₃H₁₈O₉

Molecular Weight: 318.28

Accurate Mass: 318.095085

Percentage Composition: C 49.06%; H 5.70%; O 45.24%

Melting Point: Mp 126-128°

Optical Rotation: $[\alpha]_{\text{D}}^{11} -24.4$ (CHCl₃)

>>**Derivative:** Tetrabenzoyl

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

Molecular Formula: C₃₃H₂₆O₉

Molecular Weight: 566.563

Accurate Mass: 566.157685

Percentage Composition: C 69.96%; H 4.63%; O 25.42%

Physical Description: Cryst. (Me₂CO aq.)

Melting Point: Mp 173° (177°)

Optical Rotation: $[\alpha]_{\text{D}}^{20} -42.1$ (c, 2.3 in CHCl₃)