Melting Point: Mp 119-121°
Optical Rotation: $[\alpha]_D^{20}$+149 ($CHCl_3$)

>>**Derivative:** Me glycoside

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

Melting Point: Mp 117-120°
Optical Rotation: $[\alpha]_D^{20}$+130.3 ($CHCl_3$)

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

Molecular Formula: $C_{19}H_{22}O_5$
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: $C_{23}H_{26}O_7$
Molecular Weight: 414.454
Accurate Mass: 414.167855
Percentage Composition: C 66.65%; H 6.32%; O 27.02%
Physical Description: Syrup
Optical Rotation: $[\alpha]_D$ +127 (c, 0.7 in $CHCl_3$)
Other Data: Predominantly α-anomer

>>**Variant:** β-D-Pyranose-form

CAS Registry Number: 2460-44-8
Molecular Formula: $C_5H_{10}O_5$
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: $C_{13}H_{18}O_9$
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: $[\alpha]_D^{11}$–24.4 ($CHCl_3$)

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

Molecular Formula: $C_{33}H_{26}O_9$
Molecular Weight: 566.563
Accurate Mass: 566.157685
Percentage Composition: C 69.96%; H 4.63%; O 25.42%
Physical Description: Cryst. (Me_2CO aq.)
Melting Point: Mp 173° (177°)
Optical Rotation: $[\alpha]_D^{20}$–42.1 (c, 2.3 in $CHCl_3$)