



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

Melting Point: Mp 137-139°

>>**Derivative:** Me glycoside

>>**Variant:** β-D-Pyranose-form

CAS Registry Number: 608-47-9

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-lyxopyranose

Molecular Formula: C₁₃H₁₈O₉

Molecular Weight: 318.28

Accurate Mass: 318.095085

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

Physical Description: Syrup

Optical Rotation: [α]_D²² -79.7 (c, 0.94 in Me₂CO)

>>**Derivative:** Tetrabenzoyl

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

CAS Registry Number: 30319-46-1

Molecular Formula: C₃₃H₂₆O₉

Molecular Weight: 566.563

Accurate Mass: 566.157685

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

Melting Point: Mp 117-120°

>>**Variant:** β-D-Furanose-form

Molecular Formula: C₅H₁₀O₅

Molecular Weight: 150.131

Accurate Mass: 150.052825

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

>>**Derivative:** Me glycoside

>>**Derivative:** Benzyl glycoside, 2,3-*O*-isopropylidene

Synonym(s): Benzyl 2,3-*O*-isopropylidene-β-D-lyxofuranoside

Molecular Formula: C₁₅H₂₀O₅

Molecular Weight: 280.32

Accurate Mass: 280.131075

Percentage Composition: C 64.27%; H 7.19%; O 28.54%

Melting Point: Mp 87-87.5°

Optical Rotation: [α]_D²⁵ +99 (c, 1.0 in Me₂CO)

>>**Variant:** L-form

CAS Registry Number: 1949-78-6