



Accurate Mass: 150.052825

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

Biological Source: Widespread in plants. It occurs free in the heartwood of many coniferous trees, and combined with other sugars in gums, hemicelluloses, pectic substances, and also in mycobacteria. Usually prepared from mesquite gum

Melting Point: Mp 160°

Optical Rotation: $[\alpha]_D^{20} +190.6 \rightarrow +104.5$ (c, 4 in H₂O)

Other Data: Sweetness =0.37 x sucrose

>>**Derivative:** Phenylhydrazone

Melting Point: Mp 153°

>>**Variant:** α-L-Pyranose-form

CAS Registry Number: 7296-55-1

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-α-L-arabinopyranose

CAS Registry Number: 17080-99-8

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 96-97°

Optical Rotation: $[\alpha]_D +44.1$ (CHCl₃)

>>**Derivative:** Tetrabenzoyl

Synonym(s): 1,2,3,4-Tetra-*O*-benzoyl-α-L-arabinopyranose

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 164-165°

Optical Rotation: $[\alpha]_D +114$ (CHCl₃)

>>**Derivative:** Me glycoside

see Methyl arabinopyranoside, [BWZ81-A](#)

>>**Derivative:** Benzyl glycoside

see Benzyl arabinopyranoside, [BZD02-S](#)

>>**Variant:** β-L-Pyranose-form

CAS Registry Number: 7296-56-2

Molecular Formula: C₅H₁₀O₅

Molecular Weight: 150.131

Accurate Mass: 150.052825

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