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 → +104.5 (c, 4 in H_2O)
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: $C_5H_{10}O_5$
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-α-L-arabinopyranose

CAS Registry Number: 17080-99-8

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 96-97°
Optical Rotation: $[\alpha]_D$ +44.1 ($CHCl_3$)

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

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%
Melting Point: Mp 164-165°
Optical Rotation: $[\alpha]_D$ +114 ($CHCl_3$)

>>**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: $C_5H_{10}O_5$
Molecular Weight: 150.131
Accurate Mass: 150.052825
Percentage Composition: C 40.00%; H 6.71%; O 53.28%