



Physical Description: Syrup
Boiling Point: Bp_{0.015} 150-160°
Optical Rotation: $[\alpha]_{\text{D}}^{23} -44.1$ (c, 2.9 in CHCl₃)

>>**Derivative:** Me glycoside

>>**Derivative:** Benzyl glycoside

>>**Variant:** L-form

CAS Registry Number: 24259-59-4

Molecular Formula: C₅H₁₀O₅
Molecular Weight: 150.131
Accurate Mass: 150.052825
Percentage Composition: C 40.00%; H 6.71%; O 53.28%
Melting Point: Mp 87°
Optical Rotation: $[\alpha]_{\text{D}} +18.8$ (H₂O)
Aldrich: 28712-1
Fluka: 83863
Sigma: R4377

>>**Derivative:** 4-Bromophenylhydrazone

Melting Point: Mp 170-172°
Optical Rotation: $[\alpha]_{\text{D}} -11$ (EtOH)

>>**Derivative:** 2-Me
Synonym(s): 2-*O*-Methyl-L-ribose

Molecular Formula: C₆H₁₂O₅
Molecular Weight: 164.158
Accurate Mass: 164.068475
Percentage Composition: C 43.90%; H 7.37%; O 48.73%
Physical Description: Syrup
Optical Rotation: $[\alpha]_{\text{D}} +25.3$ (H₂O)

>>**Derivative:** Me glycoside

>>**Derivative:** Benzyl glycoside

>>**Variant:** DL-form

Molecular Formula: C₅H₁₀O₅
Molecular Weight: 150.131
Accurate Mass: 150.052825
Percentage Composition: C 40.00%; H 6.71%; O 53.28%
Melting Point: Mp 83-84°

References: