



Melting Point: Mp 73-74°
Optical Rotation: $[\alpha]_D^{20} -42.5$ (c, 1.2 in CHCl₃)

>>**Derivative:** 1,5-Bis(4-nitrobenzoyl)

CAS Registry Number: 57274-17-6
Physical Description: Cryst. (CH₂Cl₂/Et₂O)
Melting Point: Mp 139-140°
Optical Rotation: $[\alpha]_D^{25} 0$ (c, 1.673 in CHCl₃)

>>**Derivative:** Me glycoside
Synonym(s): Methyl 2,3-*O*-isopropylidene-β-D-ribofuranoside

CAS Registry Number: 4099-85-8

Molecular Formula: C₉H₁₆O₅
Molecular Weight: 204.222
Accurate Mass: 204.099775
Percentage Composition: C 52.93%; H 7.90%; O 39.17%
Boiling Point: Bp₁₀ 110°. Bp_{0.3} 75°
Optical Rotation: $[\alpha]_D -82.2$ (CHCl₃)
Sigma: M2386

>>**Derivative:** Me glycoside, 5-tosyl
Synonym(s): Methyl 2,3-*O*-isopropylidene-5-*O*-tosyl-β-D-ribofuranoside

CAS Registry Number: 4137-56-8

Molecular Formula: C₁₆H₂₂O₇S
Molecular Weight: 358.412
Accurate Mass: 358.108625
Percentage Composition: C 53.62%; H 6.19%; O 31.25%; S 8.95%
Melting Point: Mp 83-84°
Optical Rotation: $[\alpha]_D^{28} -38.6$ (c, 1.0 in EtOH)
Sigma: M2636

>>**Derivative:** Me glycoside, 5-trityl
Synonym(s): Methyl 2,3-*O*-isopropylidene-5-*O*-trityl-β-D-ribofuranoside

CAS Registry Number: 50908-06-0

Molecular Formula: C₂₈H₃₀O₅
Molecular Weight: 446.542
Accurate Mass: 446.209325
Percentage Composition: C 75.31%; H 6.77%; O 17.91%
Melting Point: Mp 110-111°

>>**Variant:** β-L-Furanose-form

Molecular Formula: C₈H₁₄O₅
Molecular Weight: 190.196
Accurate Mass: 190.084125
Percentage Composition: C 50.52%; H 7.42%; O 42.06%

>>**Derivative:** Me glycoside
Synonym(s): Methyl 2,3-*O*-isopropylidene-β-L-ribofuranoside

CAS Registry Number: 20672-63-3

Molecular Formula: C₉H₁₆O₅
Molecular Weight: 204.222
Accurate Mass: 204.099775
Percentage Composition: C 52.93%; H 7.90%; O 39.17%
Boiling Point: Bp_{0.05} 75-80°
Optical Rotation: $[\alpha]_D +74$ (CHCl₃)