**Melting Point:** Mp 73-74°
**Optical Rotation:** $[\alpha]_D^{20}$ –42.5 (c, 1.2 in $CHCl_3$)

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

**CAS Registry Number:** 57274-17-6
**Physical Description:** Cryst. ($CH_2Cl_2$/$Et_2O$)
**Melting Point:** Mp 139-140°
**Optical Rotation:** $[\alpha]_D^{25}$ 0 (c, 1.673 in $CHCl_3$)

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

**CAS Registry Number:** 4099-85-8

**Molecular Formula:** $C_9H_{16}O_5$
**Molecular Weight:** 204.222
**Accurate Mass:** 204.099775
**Percentage Composition:** C 52.93%; H 7.90%; O 39.17%
**Boiling Point:** $Bp_{10}$ 110°. $Bp_{0.3}$ 75°
**Optical Rotation:** $[\alpha]_D$ –82.2 ($CHCl_3$)
**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:** $C_{16}H_{22}O_7S$
**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:** $C_{28}H_{30}O_5$
**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:** $C_8H_{14}O_5$
**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:** $C_9H_{16}O_5$
**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 ($CHCl_3$)