



CAS Registry Number: 88331-96-8

Molecular Formula: C₂₁H₂₂O₇

Molecular Weight: 386.401

Accurate Mass: 386.136555

Percentage Composition: C 65.28%; H 5.74%; O 28.98%

Physical Description: Syrup

Optical Rotation: $[\alpha]_{\text{D}}^{24} +57.3$ (c, 2.4 in CH₂Cl₂)

>>**Derivative:** 2,3-Carbonate

CAS Registry Number: 75100-10-6

Molecular Formula: C₈H₁₂O₆

Molecular Weight: 204.179

Accurate Mass: 204.06339

Percentage Composition: C 47.06%; H 5.92%; O 47.02%

Physical Description: Cryst. (EtOAc/petrol)

Melting Point: Mp 160-162°

Optical Rotation: $[\alpha]_{\text{D}}^{22} -71.3$ (c, 1.1 in CH₂Cl₂)

>>**Derivative:** 2,3-Isopropylidene

Synonym(s): Methyl 2,3-*O*-isopropylidene- α -L-rhamnopyranoside

CAS Registry Number: 14133-63-2

Molecular Formula: C₁₀H₁₈O₅

Molecular Weight: 218.249

Accurate Mass: 218.115425

Percentage Composition: C 55.03%; H 8.31%; O 36.65%

Boiling Point: Bp_{0.8} 104-105°

Optical Rotation: $[\alpha]_{\text{D}} -16.4$ (c, 3.1 in Me₂CO). $[\alpha]_{\text{D}} -11.9$ (c, 1 in MeOH)

>>**Derivative:** 2,3-Isopropylidene, 4-Ac

Synonym(s): Methyl 4-*O*-acetyl-2,3-*O*-isopropylidene- α -L-rhamnopyranoside

CAS Registry Number: 14686-86-3

Molecular Formula: C₁₂H₂₀O₆

Molecular Weight: 260.286

Accurate Mass: 260.12599

Percentage Composition: C 55.37%; H 7.74%; O 36.88%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 68°

Optical Rotation: $[\alpha]_{\text{D}} -16$ (c, 1 in CHCl₃)

>>**Derivative:** 2,3-Isopropylidene, 4-benzoyl

Synonym(s): Methyl 4-*O*-benzoyl-2,3-*O*-isopropylidene- α -L-rhamnopyranoside

CAS Registry Number: 71204-48-3

Molecular Formula: C₁₇H₂₂O₆

Molecular Weight: 322.357

Accurate Mass: 322.14164

Percentage Composition: C 63.34%; H 6.88%; O 29.78%

Melting Point: Mp 97-98°

Optical Rotation: $[\alpha]_{\text{D}} -2$ (c, 1 in MeOH)

>>**Derivative:** 2,3-Isopropylidene, 4-mesyl

Synonym(s): Methyl 2,3-*O*-isopropylidene-4-*O*-mesyl- α -L-rhamnopyranoside

CAS Registry Number: 15397-01-0

Molecular Formula: C₁₁H₂₀O₇S

Molecular Weight: 296.341

Accurate Mass: 296.092975

Percentage Composition: C 44.58%; H 6.80%; O 37.79%; S 10.82%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 130-131°

Optical Rotation: $[\alpha]$