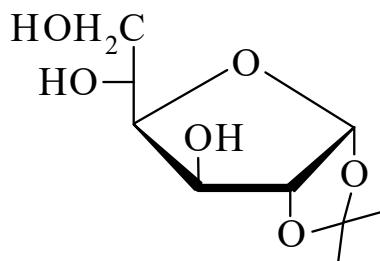




>>Entry Name: 1,2-*O*-Isopropylideneglucofuranose, 8Cl



Molecular Formula: C₉H₁₆O₆

Molecular Weight: 220.222

Accurate Mass: 220.09469

Percentage Composition: C 49.09%; H 7.32%; O 43.59%

>>Variant: α-D-form

CAS Registry Number: 18549-40-1

Molecular Formula: C₉H₁₆O₆

Molecular Weight: 220.222

Accurate Mass: 220.09469

Percentage Composition: C 49.09%; H 7.32%; O 43.59%

Physical Description: Needles (MeOH/Et₂O)

Melting Point: Mp 161-162.5°

Optical Rotation: [α]_D²⁰ -11.8 (H₂O)

Aldrich: I-2290-0

Fluka: 59439

Sigma: I1006

>>Derivative: 3-Ac

Synonym(s): 3-*O*-Acetyl-1,2-*O*-isopropylidene-α-D-glucofuranose

CAS Registry Number: 24807-96-3

Molecular Formula: C₁₁H₁₈O₇

Molecular Weight: 262.259

Accurate Mass: 262.105255

Percentage Composition: C 50.38%; H 6.92%; O 42.70%

Melting Point: Mp 125-126°

Optical Rotation: [α]_D²⁰ -20.1 (H₂O)

Aldrich: 33228-3

>>Derivative: 6-Ac

Synonym(s): 6-*O*-Acetyl-1,2-*O*-isopropylidene-α-D-glucofuranose

CAS Registry Number: 32754-29-3

Molecular Formula: C₁₁H₁₈O₇

Molecular Weight: 262.259

Accurate Mass: 262.105255

Percentage Composition: C 50.38%; H 6.92%; O 42.70%

Melting Point: Mp 144-146°

Optical Rotation: [α]_D -6.3 (EtOH)

>>Derivative: 3,6-Di-Ac

Synonym(s): 3,6-Di-*O*-acetyl-1,2-*O*-isopropylidene-α-D-glucofuranose

Molecular Formula: C₁₃H₂₀O₈

Molecular Weight: 304.296

Accurate Mass: 304.11582

Percentage Composition: C 51.31%; H 6.62%; O 42.06%

Melting Point: Mp 96°

Optical Rotation: [α]_D +10.7 (CHCl₃)

>>Derivative: 3,5,6-Tri-Ac

Synonym(s): 3,5,6-Tri-*O*-acetyl-1,2-*O*-isopropylidene-α-D-glucofuranose