



>>Derivative: Benzyl glycoside

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

>>Variant: L-form

CAS Registry Number: 10030-80-5

Molecular Formula: C₆H₁₂O₆

Molecular Weight: 180.157

Accurate Mass: 180.06339

Percentage Composition: C 40.00%; H 6.71%; O 53.28%

Melting Point: Mp 132°

Optical Rotation: [α]_D +14 → -14 (H₂O)

Aldrich: 85664-9

Fluka: 63578

Sigma: M1134

>>Derivative: Phenylhydrazone

CAS Registry Number: 53956-43-7

Melting Point: Mp 195°

Optical Rotation: [α]_D -34 (Py)

>>Derivative: 2,3:5,6-Di-*O*-isopropylidene

>>Variant: α -L-Pyranose-form

CAS Registry Number: 35810-56-1

Molecular Formula: C₆H₁₂O₆

Molecular Weight: 180.157

Accurate Mass: 180.06339

Percentage Composition: C 40.00%; H 6.71%; O 53.28%

>>Derivative: Me glycoside

Synonym(s): Methyl α -L-mannopyranoside

Molecular Formula: C₇H₁₄O₆

Molecular Weight: 194.184

Accurate Mass: 194.07904

Percentage Composition: C 43.30%; H 7.27%; O 49.44%

Melting Point: Mp 190-191°

Optical Rotation: [α]_D²⁰ -79.4 (H₂O)

>>Variant: α -L-Furanose-form

CAS Registry Number: 36972-23-3

Molecular Formula: C₆H₁₂O₆

Molecular Weight: 180.157

Accurate Mass: 180.06339

Percentage Composition: C 40.00%; H 6.71%; O 53.28%

>>Derivative: 2,3;5,6-Di-*O*-isopropylidene

References: