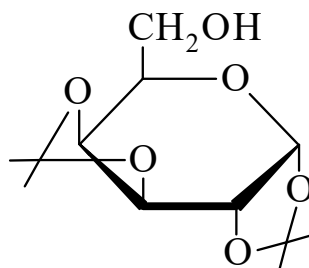




>>Entry Name: 1,2:3,4-Di-*O*-isopropylidenegalactopyranose, 8CI

Synonym(s): 1,2:3,4-Bis-*O*-(1-methylethylidene)galactopyranose, 9CI



Molecular Formula: C₁₂H₂₀O₆

Molecular Weight: 260.286

Accurate Mass: 260.12599

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

>>Variant: α-D-form

CAS Registry Number: 4064-06-6

Type of Compound Code(s): AF0800

Molecular Formula: C₁₂H₂₀O₆

Molecular Weight: 260.286

Accurate Mass: 260.12599

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

Boiling Point: Bp_{0.35} 125-130° (lit. gives a pressure range). Bp_{0.2} 131-135°

Aldrich: D12630-6

Fluka: 38406

Sigma: D1660

>>Derivative: 6-Ac

Synonym(s): 6-*O*-Acetyl-1,2:3,4-di-*O*-isopropylidene-α-D-galactopyranose

CAS Registry Number: 4860-78-0

Type of Compound Code(s): AF0800

Molecular Formula: C₁₄H₂₂O₇

Molecular Weight: 302.324

Accurate Mass: 302.136555

Percentage Composition: C 55.62%; H 7.33%; O 37.05%

Melting Point: Mp 108°

Optical Rotation: [α]_D²⁰ -48 (c, 1.0 in CHCl₃)

>>Derivative: 6-Mesyl

Synonym(s): 1,2:3,4-Di-*O*-isopropylidene-6-*O*-mesyl-α-D-galactopyranose

Type of Compound Code(s): AF0800

Molecular Formula: C₁₃H₂₂O₈S

Molecular Weight: 338.378

Accurate Mass: 338.10354

Percentage Composition: C 46.14%; H 6.55%; O 37.83%; S 9.48%

Melting Point: Mp 122°

Optical Rotation: [α]_D -62 (in CHCl₃)

>>Derivative: 6-(*p*-Nitrobenzoyl)

CAS Registry Number: 20581-75-3

Physical Description: Pale-yellow plates

Melting Point: Mp 116.5-117.5°

Optical Rotation: [α]_D²⁰ -57 (c, 1.0 in CHCl₃)

>>Derivative: 6-Picryl

Melting Point: Mp 149.5-150°

Optical Rotation: [α]_D²⁵ -160.5 (c, 1.0 in CH₂Cl₂)