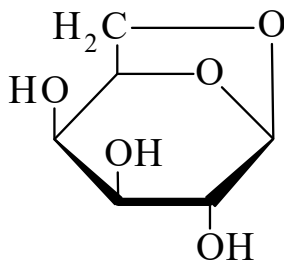




>>Entry Name: 1,6-Anhydrogalactopyranose

Synonym(s): Galactosan



Molecular Formula: C₆H₁₀O₅

Molecular Weight: 162.142

Accurate Mass: 162.052825

Percentage Composition: C 44.45%; H 6.22%; O 49.34%

>>Variant: β-D-form

CAS Registry Number: 644-76-8

Molecular Formula: C₆H₁₀O₅

Molecular Weight: 162.142

Accurate Mass: 162.052825

Percentage Composition: C 44.45%; H 6.22%; O 49.34%

Physical Description: Plates (EtOH)

Melting Point: Mp 226° (222-233°)

Optical Rotation: [α]_D -22 (H₂O)

Sigma: A5180

>>Derivative: 2,3-Di-Ac

Synonym(s): 2,3-Di-*O*-acetyl-1,6-anhydro-β-D-galactopyranose

CAS Registry Number: 14213-39-9

Molecular Formula: C₁₀H₁₄O₇

Molecular Weight: 246.216

Accurate Mass: 246.073955

Percentage Composition: C 48.78%; H 5.73%; O 45.49%

Physical Description: Cryst. (2-propanol/petrol)

Melting Point: Mp 113-115°

Optical Rotation: [α]_D -0.8 (CHCl₃)

>>Derivative: 2,4-Di-Ac

Synonym(s): 2,4-Di-*O*-acetyl-1,6-anhydro-β-D-galactopyranose

CAS Registry Number: 56933-12-1

Molecular Formula: C₁₀H₁₄O₇

Molecular Weight: 246.216

Accurate Mass: 246.073955

Percentage Composition: C 48.78%; H 5.73%; O 45.49%

Physical Description: Syrup

Optical Rotation: [α]_D -8.5 (CHCl₃)

>>Derivative: 2,3,4-Tri-Ac

Synonym(s): 2,3,4-Tri-*O*-acetyl-1,6-anhydro-β-D-galactopyranose

CAS Registry Number: 4132-24-5

Molecular Formula: C₁₂H₁₆O₈

Molecular Weight: 288.254

Accurate Mass: 288.08452

Percentage Composition: C 50.00%; H 5.59%; O 44.40%

Physical Description: Cryst. (petrol)

Melting Point: Mp 73-74°

Optical Rotation: [α]_D²⁰ -6.2 (c, 1 in CHCl₃)