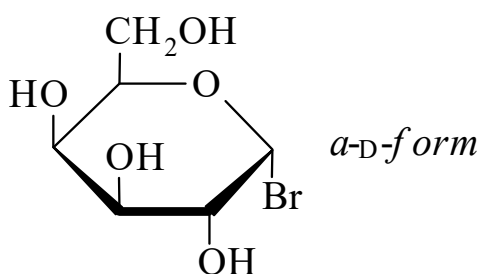




>>Entry Name: Galactopyranosyl bromide



Molecular Formula: C₆H₁₁BrO₅

Molecular Weight: 243.054

Accurate Mass: 241.998986

Percentage Composition: C 29.65%; H 4.56%; Br 32.88%; O 32.91%

>>Variant: α-D-form

Molecular Formula: C₆H₁₁BrO₅

Molecular Weight: 243.054

Accurate Mass: 241.998986

Percentage Composition: C 29.65%; H 4.56%; Br 32.88%; O 32.91%

>>Derivative: 2,3,4,6-Tetra-Ac

Synonym(s): 2,3,4,6-Tetra-*O*-acetyl-α-D-galactopyranosyl bromide, 9Cl, 8Cl. Acetobromogalactose

CAS Registry Number: 3068-32-4

Molecular Formula: C₁₄H₁₉BrO₉

Molecular Weight: 411.203

Accurate Mass: 410.041246

Percentage Composition: C 40.89%; H 4.66%; Br 19.43%; O 35.02%

Melting Point: Mp 84-85°

Optical Rotation: [α]_D²⁰ +217 (CHCl₃)

Fluka: 525

Sigma: A7562

>>Derivative: 6-Tosyl, 2,3,4-tri-Ac

Synonym(s): 2,3,4-Tri-*O*-acetyl-6-*O*-tosyl-α-D-galactopyranosyl bromide

Molecular Formula: C₁₉H₂₃BrO₁₀S

Molecular Weight: 523.355

Accurate Mass: 522.039531

Percentage Composition: C 43.61%; H 4.43%; Br 15.27%; O 30.57%; S 6.13%

Melting Point: Mp 146-147°

Optical Rotation: [α]_D²⁰ +157 (CHCl₃)

>>Derivative: 4,6-*O*-Ethylidene, 2-Ac, 3-tosyl

Synonym(s): 2-*O*-Acetyl-4,6-*O*-ethylidene-3-*O*-tosyl-α-D-galactopyranosyl bromide

CAS Registry Number: 13996-93-5

Molecular Formula: C₁₇H₂₁BrO₈S

Molecular Weight: 465.318

Accurate Mass: 464.034051

Percentage Composition: C 43.88%; H 4.55%; Br 17.17%; O 27.51%; S 6.89%

Physical Description: Needles (CHCl₃/Et₂O)

Melting Point: Mp 167 dec.°

Optical Rotation: [α]_D²⁵ +240 (c, 0.8 in CHCl₃)