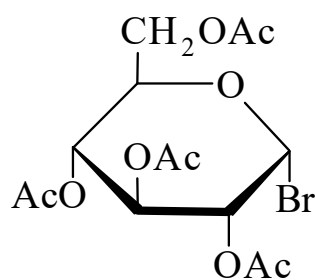




>>Entry Name: Acetobromoglucose

Synonym(s): 2,3,4,6-Tetra-*O*-acetylglucosyl bromide



α-D-Pyranose-*form*

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%

>>Variant: *α*-D-Pyranose-form

CAS Registry Number: 572-09-8

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%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 88-89°

Optical Rotation: [α]_D²⁰ +194 (c, 3.9 in CHCl₃)

Fluka: 530

Sigma: J6039

>>Variant: *β*-D-Pyranose-form

CAS Registry Number: 6919-96-6

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 92°

Optical Rotation: [α]_D²⁰ -16 → +77 (CHCl₃)

>>Variant: *α*-L-Pyranose-form

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 88°

Optical Rotation: [α]_D¹⁷ -192.7 (Et₂O)

>>Variant: *α*-DL-Pyranose-form

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%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 87°

References: