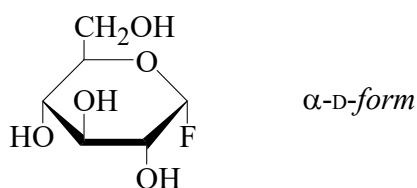




>>Entry Name: Glucopyranosyl fluoride



α -D-*form*

Molecular Formula: C₆H₁₁FO₅

Molecular Weight: 182.148

Accurate Mass: 182.059053

Percentage Composition: C 39.56%; H 6.09%; F 10.43%; O 43.92%

>>Variant: α -D-form

CAS Registry Number: 2106-10-7

Molecular Formula: C₆H₁₁FO₅

Molecular Weight: 182.148

Accurate Mass: 182.059053

Percentage Composition: C 39.56%; H 6.09%; F 10.43%; O 43.92%

Melting Point: Mp 118-125°

Optical Rotation: $[\alpha]_D^{24} +97.6$ (c, 1.5 in H₂O)

Sigma: F3271

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

Synonym(s): 2,3,4-Tri-*O*-acetyl- α -D-glucopyranosyl fluoride

Molecular Formula: C₁₂H₁₇FO₈

Molecular Weight: 308.26

Accurate Mass: 308.090748

Percentage Composition: C 46.76%; H 5.56%; F 6.16%; O 41.52%

Melting Point: Mp 93°

Optical Rotation: $[\alpha]_D +90.6$ (c, 1.55 in CHCl₃)

>>Derivative: 2,3,6-Tri-Ac

Synonym(s): 2,3,6-Tri-*O*-acetyl- α -D-glucopyranosyl fluoride

Molecular Formula: C₁₂H₁₇FO₈

Molecular Weight: 308.26

Accurate Mass: 308.090748

Percentage Composition: C 46.76%; H 5.56%; F 6.16%; O 41.52%

Physical Description: Syrup

Optical Rotation: $[\alpha]_D +67.1$ (c, 1.42 in CHCl₃)

>>Derivative: Tetra-Ac

Synonym(s): 2,3,4,6-Tetra-*O*-acetyl- α -D-glucopyranosyl fluoride

CAS Registry Number: 3934-29-0

Molecular Formula: C₁₄H₁₉FO₉

Molecular Weight: 350.297

Accurate Mass: 350.101313

Percentage Composition: C 48.00%; H 5.47%; F 5.42%; O 41.11%

Melting Point: Mp 108°

Optical Rotation: $[\alpha]_D^{20} +90.1$ (CHCl₃)

Sigma: A0836