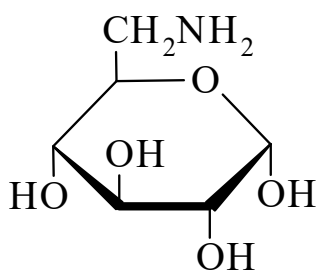




>>Entry Name: 6-Amino-6-deoxyglucose, 8Cl



α-D-Pyranose-*form*

Molecular Formula: C₆H₁₃NO₅

Molecular Weight: 179.172

Accurate Mass: 179.079374

Percentage Composition: C 40.22%; H 7.31%; N 7.82%; O 44.65%

>>Variant: D-form

CAS Registry Number: 576-47-6

Molecular Formula: C₆H₁₃NO₅

Molecular Weight: 179.172

Accurate Mass: 179.079374

Percentage Composition: C 40.22%; H 7.31%; N 7.82%; O 44.65%

Biological Source: Hydrol. prod. of Kanamycin A [CJR88-R](#)

>>Derivative: Hydrochloride

CAS Registry Number: 55324-97-5

Physical Description: Cryst. (AcOH)

Melting Point: Mp 161-162 dec.°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +23 \rightarrow +50.1$ (c, 1 in H₂O)

>>Derivative: *N*-Ac

Synonym(s): 6-Acetamido-6-deoxy-D-glucose

Molecular Formula: C₈H₁₅NO₆

Molecular Weight: 221.21

Accurate Mass: 221.089939

Percentage Composition: C 43.44%; H 6.83%; N 6.33%; O 43.40%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 196-198 dec.°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +44 \rightarrow +34.9$ (c, 1 in H₂O)

>>Derivative: Di-Et dithioacetal

CAS Registry Number: 24384-90-5

Molecular Formula: C₁₀H₂₃NO₄S₂

Molecular Weight: 285.428

Accurate Mass: 285.106849

Percentage Composition: C 42.08%; H 8.12%; N 4.91%; O 22.42%; S 22.47%

Physical Description: Cryst. (HCl) (EtOH)

Melting Point: Mp 119-121° (as hydrochloride)

Optical Rotation: $[\alpha]_{\text{D}}^{20} -25.5$ (c, 0.5 in H₂O)

>>Variant: α-D-Pyranose-form

Molecular Formula: C₆H₁₃NO₅

Molecular Weight: 179.172

Accurate Mass: 179.079374

Percentage Composition: C 40.22%; H 7.31%; N 7.82%; O 44.65%