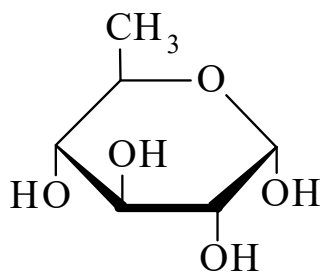




>>Entry Name: 6-Deoxyglucose, 9Cl, 8Cl

ENTRY UNDER REVIEW

Synonym(s): Chinovose, 9Cl. Quinovose, 9Cl, 8Cl. Isorhodeose. Glucomethylose. Isorhamnose. Epirhamnose



α -D-Pyranose-form

CAS Registry Number: 7658-08-4

Molecular Formula: C₆H₁₂O₅

Molecular Weight: 164.158

Accurate Mass: 164.068475

Percentage Composition: C 43.90%; H 7.37%; O 48.73%

General Statement: An aq. soln. at 44° contains 36% α -pyr, 64% β -pyr and 0.002% aldehyde

Biological Source: Present in some plant glycosides, e.g. from *Ipomoea* spp.

Fluka: 31065

Sigma: D9761

>>Variant: D-form

Molecular Formula: C₆H₁₂O₅

Molecular Weight: 164.158

Accurate Mass: 164.068475

Percentage Composition: C 43.90%; H 7.37%; O 48.73%

Melting Point: Mp 146°

Optical Rotation: $[\alpha]_D^{20} +75 \rightarrow +30$ (c, 8.3 in H₂O)

>>Derivative: Phenylsazone

Melting Point: Mp 189-191°

Optical Rotation: $[\alpha]_D -77$ (Py/EtOH)

>>Derivative: 3-Me

Synonym(s): 6-Deoxy-3-O-methyl-D-glucose. **Thevetose**

CAS Registry Number: 5675-98-9

Biological Source: Occurs in [HDS87-I](#)

Melting Point: Mp 116°

Optical Rotation: $[\alpha]_D^{20} +84 \rightarrow +33$ (H₂O)

>>Derivative: 3-Me, phenylsazone

Melting Point: Mp 123-128°

Optical Rotation: $[\alpha]_D^{16} -117.8 \rightarrow -26.4$ (c, 1.1 in 2:3 Py/EtOH)

>>Variant: α -D-Pyranose-form

CAS Registry Number: 551-63-3

Molecular Formula: C₆H₁₂O₅

Molecular Weight: 164.158

Accurate Mass: 164.068475

Percentage Composition: C 43.90%; H 7.37%; O 48.73%