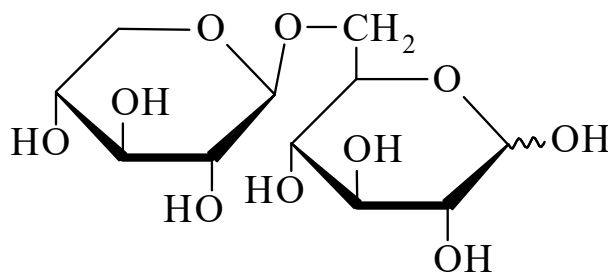




>>Entry Name: 6-*O*-β-D-Xylopyranosyl-D-glucose, 9Cl, 8Cl

Synonym(s): *O*-β-D-Xylopyranosyl-[1→6]-D-glucopyranose. Primeverose, 9Cl. Primverose



CAS Registry Number: 26531-85-1

Molecular Formula: C₁₁H₂₀O₁₀

Molecular Weight: 312.273

Accurate Mass: 312.10565

Percentage Composition: C 42.31%; H 6.46%; O 51.24%

Biological Source: Constit. of a number of naturally occurring phenolic glycosides such as Primeverin and Primulaverin from *Primula officinalis*

Melting Point: Mp 194-197°. Mp 210 dec.°

Optical Rotation: $[\alpha]_D^{20} +23.8 \rightarrow -3.4$ (c, 2.5 in H₂O)

Other Data: Sweet taste

>>Derivative: Phenylsazone

Molecular Formula: C₂₃H₃₀N₄O₈

Molecular Weight: 490.512

Accurate Mass: 490.206366

Percentage Composition: C 56.32%; H 6.16%; N 11.42%; O 26.09%

Melting Point: Mp 220°

Optical Rotation: $[\alpha]_D^{19} -109.7$ (Py)

>>Variant: α-Pyranose-form

Molecular Formula: C₁₁H₂₀O₁₀

Molecular Weight: 312.273

Accurate Mass: 312.10565

Percentage Composition: C 42.31%; H 6.46%; O 51.24%

>>Derivative: Hepta-Ac

Synonym(s): Hepta-*O*-acetyl-α-primeveropyranose

Molecular Formula: C₂₅H₃₄O₁₇

Molecular Weight: 606.533

Accurate Mass: 606.179605

Percentage Composition: C 49.51%; H 5.65%; O 44.84%

Melting Point: Mp 202-204°

Optical Rotation: $[\alpha]_D +33$ (CHCl₃)

>>Derivative: 1-Chloro, hexa-Ac

Synonym(s): Acetochloroprimeverose

Molecular Formula: C₂₃H₃₁ClO₁₅

Molecular Weight: 582.942

Accurate Mass: 582.135152

Percentage Composition: C 47.39%; H 5.36%; Cl 6.08%; O 41.17%

Melting Point: Mp 190-192°

Optical Rotation: $[\alpha]_D +70.8$ (CHCl₃)

>>Variant: β-Pyranose-form

CAS Registry Number: 498-05-5

Molecular Formula: C₁₁H₂₀O₁₀

Molecular Weight: 312.273

Accurate Mass: 312.10565

Percentage Composition: C 42.31%; H 6.46%; O 51.24%