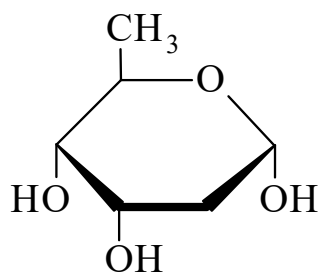




>>Entry Name: 2,6-Dideoxy-*ribo*-hexose, 9Cl, 8Cl

Synonym(s): Digitoxose



α -D-form

Molecular Formula: C₆H₁₂O₄

Molecular Weight: 148.158

Accurate Mass: 148.07356

Percentage Composition: C 48.64%; H 8.16%; O 43.20%

>>Variant: D-form

CAS Registry Number: 527-52-6

Molecular Formula: C₆H₁₂O₄

Molecular Weight: 148.158

Accurate Mass: 148.07356

Percentage Composition: C 48.64%; H 8.16%; O 43.20%

Biological Source: Me glycosides are components of the antibiotic α -lipomycin produced by *Streptomyces aureofaciens*. A common constit. of plant glycosides, e.g. Digitoxin. Found, *inter alia*, in the Cruciferae, Scrophulariaceae, Asclepiadaceae and Apocynaceae

Melting Point: Mp 110-112°

Optical Rotation: $[\alpha]_D^{18} +43.6 \rightarrow +50.2$ (c, 1.65 in H₂O)

Fluka: 37040

Sigma: D6538

>>Derivative: Oxime

Molecular Formula: C₆H₁₃NO₄

Molecular Weight: 163.173

Accurate Mass: 163.084459

Percentage Composition: C 44.17%; H 8.03%; N 8.58%; O 39.22%

Melting Point: Mp 102°

>>Derivative: Phenylhydrazone

Melting Point: Mp 204-209°

>>Variant: α -D-Pyranose-form

Molecular Formula: C₆H₁₂O₄

Molecular Weight: 148.158

Accurate Mass: 148.07356

Percentage Composition: C 48.64%; H 8.16%; O 43.20%

>>Derivative: Me glycoside

Synonym(s): Methyl 2,6-dideoxy- α -D-*ribo*-hexopyranoside

CAS Registry Number: 17676-19-6

Molecular Formula: C₇H₁₄O₄

Molecular Weight: 162.185

Accurate Mass: 162.08921

Percentage Composition: C 51.84%; H 8.70%; O 39.46%

Physical Description: Syrup

Boiling Point: Bp_{0.1} 98-110°

Optical Rotation: $[\alpha]_D^{20} +178.4$ (c, 3.7 in CHCl₃)