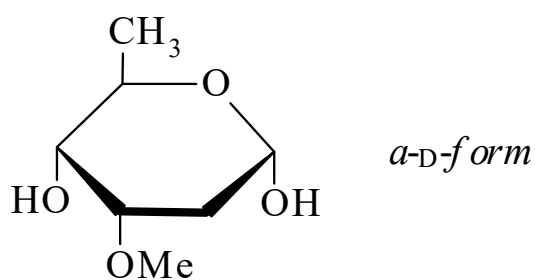




>>Entry Name: Cymarose

Synonym(s): 2,6-Dideoxy-3-*O*-methyl-*ribo*-hexose, 9Cl. Variose



CAS Registry Number: 579-04-4

Molecular Formula: C₇H₁₄O₄

Molecular Weight: 162.185

Accurate Mass: 162.08921

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

Biological Source: Component of glycosides, e.g. [HHK68-R](#), [BZG18-Q](#) and [HDT07-P](#)

>>Variant: D-form

CAS Registry Number: 13089-76-4

Molecular Formula: C₇H₁₄O₄

Molecular Weight: 162.185

Accurate Mass: 162.08921

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

Physical Description: Cryst. (Me₂CO/Et₂O)

Melting Point: Mp 92-95° (84-85°)

Optical Rotation: $[\alpha]_D^{18} +48.9$ (c, 0.47 in H₂O)

>>Variant: α -D-Pyranose-form

Molecular Formula: C₇H₁₄O₄

Molecular Weight: 162.185

Accurate Mass: 162.08921

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

>>Derivative: Me glycoside

Synonym(s): Methyl 2,6-dideoxy-3-*O*-methyl- α -D-*ribo*-hexopyranoside

CAS Registry Number: 33650-59-8

Molecular Formula: C₈H₁₆O₄

Molecular Weight: 176.212

Accurate Mass: 176.10486

Percentage Composition: C 54.53%; H 9.15%; O 36.32%

Melting Point: Mp 41-44°

Optical Rotation: $[\alpha]_D^{17} +212$ (c, 1.2 in MeOH)

>>Derivative: Me glycoside, 4-tosyl

Synonym(s): Methyl 2,6-dideoxy-3-*O*-methyl-4-*O*-tosyl- α -D-*ribo*-hexopyranoside

CAS Registry Number: 25878-51-7

Molecular Formula: C₁₅H₂₂O₆S

Molecular Weight: 330.401

Accurate Mass: 330.11371

Percentage Composition: C 54.53%; H 6.71%; O 29.05%; S 9.71%

Melting Point: Mp 83-84°

Optical Rotation: $[\alpha]_D^{20} +154$ (c, 1.0 in CHCl₃)

>>Variant: α -D-Furanose-form

Molecular Formula: C₇H₁₄O₄

Molecular Weight: 162.185

Accurate Mass: 162.08921

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