



Molecular Weight: 296.276
Accurate Mass: 296.089605
Percentage Composition: C 56.76%; H 5.44%; O 37.80%
Physical Description: Platelets
Melting Point: Mp 64°
Optical Rotation: $[\alpha]_{\text{D}}^{20} +46$ (c, 0.8 in CHCl₃)

>>**Derivative:** Me glycoside, 3,4,6-tribenzoyl
Synonym(s): Methyl 3,4,6-tri-*O*-benzoyl- α -D-*arabino*-hexopyranosid-2-ulose

CAS Registry Number: 10579-00-7

Molecular Formula: C₂₈H₂₄O₉
Molecular Weight: 504.492
Accurate Mass: 504.142035
Percentage Composition: C 66.66%; H 4.79%; O 28.54%
Physical Description: Prismatic needles
Melting Point: Mp 150-151°
Optical Rotation: $[\alpha]_{\text{D}}^{22} +53$ (c, 0.8 in CHCl₃)

>>**Variant:** β -D-Pyranose-form

Molecular Formula: C₆H₁₀O₆
Molecular Weight: 178.141
Accurate Mass: 178.04774
Percentage Composition: C 40.45%; H 5.66%; O 53.89%

>>**Derivative:** Me glycoside, 3,4,6-tri-Ac
Synonym(s): Methyl 3,4,6-tri-*O*-acetyl- β -D-*arabino*-hexopyranosid-2-ulose

CAS Registry Number: 51295-64-8

Molecular Formula: C₁₃H₁₈O₉
Molecular Weight: 318.28
Accurate Mass: 318.095085
Percentage Composition: C 49.06%; H 5.70%; O 45.24%
Optical Rotation: $[\alpha]_{\text{D}} +179$ (CHCl₃)

>>**Derivative:** 1,3,4,6-Tetrabenzoyl
Synonym(s): 1,3,4,6-Tetra-*O*-benzoyl- β -D-*arabino*-hexopyranos-2-ulose

Molecular Formula: C₃₄H₂₆O₁₀
Molecular Weight: 594.573
Accurate Mass: 594.1526
Percentage Composition: C 68.68%; H 4.41%; O 26.91%
Physical Description: Cryst. (CHCl₃/pentane)
Melting Point: Mp 127-129°
Optical Rotation: $[\alpha]_{\text{D}}^{23} -9.3$ (c, 1.0 in CHCl₃)

>>**Variant:** β -D-2,6-Pyranose-form

CAS Registry Number: 1854-25-7
Molecular Formula: C₆H₁₀O₆
Molecular Weight: 178.141
Accurate Mass: 178.04774
Percentage Composition: C 40.45%; H 5.66%; O 53.89%