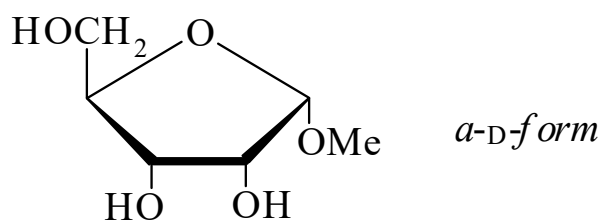




>>Entry Name: Methyl ribofuranoside



Molecular Formula: C₆H₁₂O₅

Molecular Weight: 164.158

Accurate Mass: 164.068475

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

>>Variant: α-D-form

CAS Registry Number: 52485-92-4

Molecular Formula: C₆H₁₂O₅

Molecular Weight: 164.158

Accurate Mass: 164.068475

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

Physical Description: Syrup

Optical Rotation: $[\alpha]_{\text{D}}^{23} +147$ (c, 1.3 in H₂O)

Sigma: M5150

>>Derivative: 3,5-Dibenzyl

Synonym(s): Methyl 3,5-di-*O*-benzyl-α-D-ribofuranoside

Molecular Formula: C₂₀H₂₄O₅

Molecular Weight: 344.407

Accurate Mass: 344.162375

Percentage Composition: C 69.75%; H 7.02%; O 23.23%

Optical Rotation: $[\alpha]_{\text{D}}^{23} +67$ (c, 1.0 in CHCl₃)

>>Variant: β-D-form

CAS Registry Number: 7473-45-2

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 79-80°

Optical Rotation: $[\alpha]_{\text{D}} -50$ (c, 2.0 in H₂O)

Sigma: M3137

>>Derivative: 3,5-Dibenzoyl

Synonym(s): Methyl 3,5-di-*O*-benzoyl-β-D-ribofuranoside

CAS Registry Number: 50907-84-1

Molecular Formula: C₂₀H₂₀O₇

Molecular Weight: 372.374

Accurate Mass: 372.120905

Percentage Composition: C 64.51%; H 5.41%; O 30.08%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 132-133°

Optical Rotation: $[\alpha]_{\text{D}}^{25} -8.8$ (c, 0.5 in CHCl₃)

>>Derivative: Tribenzoyl

Synonym(s): Methyl 2,3,5-tri-*O*-benzoyl-β-D-ribofuranoside

CAS Registry Number: 52783-53-6