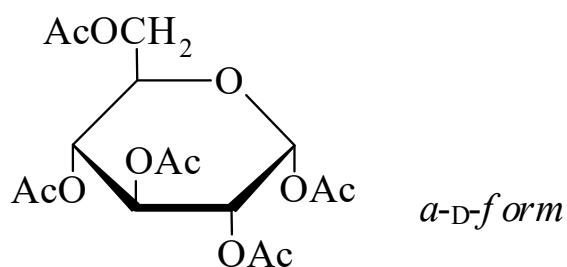




>>Entry Name: 1,2,3,4,6-Penta-*O*-acetylglucose



Extra CAS Registry Numbers(s): 83-87-4

Molecular Formula: C₁₆H₂₂O₁₁

Molecular Weight: 390.343

Accurate Mass: 390.116215

Percentage Composition: C 49.23%; H 5.68%; O 45.09%

>>Variant: α -D-Pyranose-form

CAS Registry Number: 604-68-2

Molecular Formula: C₁₆H₂₂O₁₁

Molecular Weight: 390.343

Accurate Mass: 390.116215

Percentage Composition: C 49.23%; H 5.68%; O 45.09%

Use/Importance: Reference material used in elemental microanalysis

Melting Point: Mp 112-114°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +102$ (CHCl₃)

Aldrich: G235-4

Fluka: 49200

Sigma: G5125

>>Variant: β -D-Pyranose-form

CAS Registry Number: 604-69-3

Molecular Formula: C₁₆H₂₂O₁₁

Molecular Weight: 390.343

Accurate Mass: 390.116215

Percentage Composition: C 49.23%; H 5.68%; O 45.09%

Melting Point: Mp 132-135°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +4$ (CHCl₃)

Aldrich: 28594-3

Fluka: 49210

Sigma: G5375

References:

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