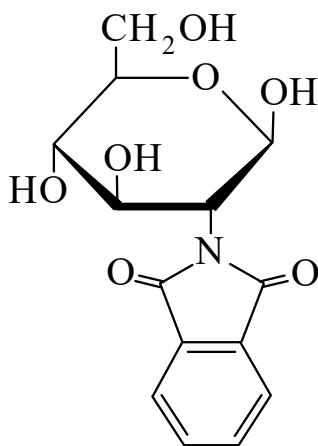




>>Entry Name: 2-Deoxy-2-phthalimidoglucose



Molecular Formula: C₁₄H₁₅NO₇

Molecular Weight: 309.275

Accurate Mass: 309.084854

Percentage Composition: C 54.37%; H 4.89%; N 4.53%; O 36.21%

>>Variant: β-D-Pyranose-form

Molecular Formula: C₁₄H₁₅NO₇

Molecular Weight: 309.275

Accurate Mass: 309.084854

Percentage Composition: C 54.37%; H 4.89%; N 4.53%; O 36.21%

>>Derivative: 1,3,4,6-Tetra-Ac

Synonym(s): 1,3,4,6-Tetra-*O*-acetyl-2-deoxy-2-phthalimido-β-D-glucopyranose

CAS Registry Number: 10022-13-6

Molecular Formula: C₂₂H₂₃NO₁₁

Molecular Weight: 477.424

Accurate Mass: 477.127114

Percentage Composition: C 55.35%; H 4.86%; N 2.93%; O 36.86%

Melting Point: Mp 199-200°

>>Derivative: 1-Bromo, 3,4,6-tri-Ac

Synonym(s): 3,4,6-Tri-*O*-acetyl-2-deoxy-2-phthalimido-β-D-glucopyranosyl bromide

CAS Registry Number: 10028-45-2

Molecular Formula: C₂₀H₂₀BrNO₉

Molecular Weight: 498.283

Accurate Mass: 497.052145

Percentage Composition: C 48.21%; H 4.05%; Br 16.04%; N 2.81%; O 28.90%

Melting Point: Mp 122-123°

Optical Rotation: [α]_D²⁴+57.3 (c, 1.0 in CHCl₃)

>>Derivative: Benzyl pyranoside

Synonym(s): Benzyl 2-deoxy-2-phthalimido-β-D-glucopyranoside

Molecular Formula: C₂₁H₂₁NO₇

Molecular Weight: 399.399

Accurate Mass: 399.131804

Percentage Composition: C 63.15%; H 5.30%; N 3.51%; O 28.04%

Melting Point: Mp 176-177°

Optical Rotation: [α]_D²⁵-34.2 (c, 0.76 in Me₂CO)