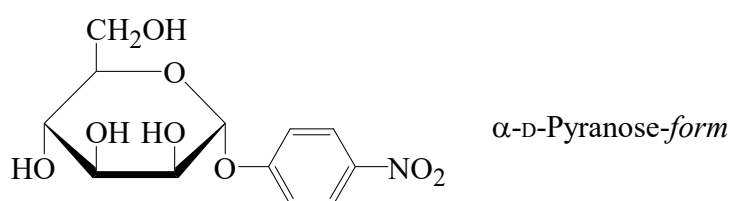




>>Entry Name: 4-Nitrophenyl mannoside



Molecular Formula: C₁₂H₁₅NO₈

Molecular Weight: 301.252

Accurate Mass: 301.079769

Percentage Composition: C 47.84%; H 5.02%; N 4.65%; O 42.49%

>>Variant: α -D-Pyranose-form

CAS Registry Number: 10357-27-4

Molecular Formula: C₁₂H₁₅NO₈

Molecular Weight: 301.252

Accurate Mass: 301.079769

Percentage Composition: C 47.84%; H 5.02%; N 4.65%; O 42.49%

Physical Description: Flakes (MeOH/Et₂O)

Melting Point: Mp 182-184°

Optical Rotation: $[\alpha]_D^{20} +155$ (c, 0.44 in H₂O)

>>Derivative: 2,3,4,6-Tetra-Ac

CAS Registry Number: 13242-51-8

Molecular Formula: C₂₀H₂₃NO₁₂

Molecular Weight: 469.401

Accurate Mass: 469.122029

Percentage Composition: C 51.18%; H 4.94%; N 2.98%; O 40.90%

Physical Description: Cryst.

Melting Point: Mp 154°

Optical Rotation: $[\alpha]_D^{22} +48$ (c, 5 in MeOH). $[\alpha]_D^{20} +207$ (c, 4 in CHCl₃)

>>Derivative: 2,3,4-Tribenzoyl

CAS Registry Number: 101455-27-0

Molecular Formula: C₃₃H₂₇NO₁₁

Molecular Weight: 613.576

Accurate Mass: 613.158414

Percentage Composition: C 64.60%; H 4.44%; N 2.28%; O 28.68%

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 150-152°

Optical Rotation: $[\alpha]_D^{22} +5.7$ (c, 0.9 in CHCl₃)

>>Variant: β -D-Pyranose-form

CAS Registry Number: 35599-02-1

Molecular Formula: C₁₂H₁₅NO₈

Molecular Weight: 301.252

Accurate Mass: 301.079769

Percentage Composition: C 47.84%; H 5.02%; N 4.65%; O 42.49%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 206-207°

Optical Rotation: $[\alpha]_D^{20} -125$ (c, 0.46 in H₂O)

>>Derivative: 2,3,4,6-Tetra-Ac

CAS Registry Number: 58918-67-5