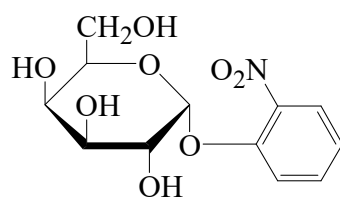




>>Entry Name: 2-Nitrophenyl galactoside, 9CI



α -D-Pyranose-*form*

CAS Registry Number: 19710-96-4

Related CAS Registry Numbers(s): 369-07-3 19887-85-5 118014-27-0

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: 19887-85-5

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 145-147°

Optical Rotation: $[\alpha]_D +198$ (c, 0.6 in H₂O)

Sigma: N0878

>>Derivative: Tetra-Ac

CAS Registry Number: 24624-80-4

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. (EtOH)

Melting Point: Mp 170.5-171°

Optical Rotation: $[\alpha]_D +199$ (c, 0.56 in CHCl₃)

>>Derivative: 2,3,6-Tribenzoyl

CAS Registry Number: 77988-33-1

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%

Melting Point: Mp 158-159°

Optical Rotation: $[\alpha]_D +178$ (c, 0.4 in CHCl₃)

>>Derivative: 6-Diphenylphosphate

CAS Registry Number: 114102-82-8

Molecular Formula: C₂₄H₂₄NO₁₁P

Molecular Weight: 533.428

Accurate Mass: 533.108701

Percentage Composition: C 54.04%; H 4.53%; N 2.63%; O 32.99%; P 5.81%

Melting Point: Mp 110-114°

Optical Rotation: $[\alpha]_D +153$ (c, 0.7 in MeOH)

>>Variant: β -D-Pyranose-form

CAS Registry Number: 369-07-3