



Molecular Formula: C₉H₁₉NO₅
Molecular Weight: 221.253
Accurate Mass: 221.126324
Percentage Composition: C 48.86%; H 8.66%; N 6.33%; O 36.16%
Melting Point: Mp 178° (as hydrochloride)
Optical Rotation: [α]_D +152.5 → +105 (H₂O)

>>**Derivative:** Benzyl glycoside, *N*-Ac
Synonym(s): Benzyl 2-acetamido-2-deoxy- α -D-galactopyranoside

CAS Registry Number: 3554-93-6

Molecular Formula: C₁₅H₂₁NO₆
Molecular Weight: 311.334
Accurate Mass: 311.136889
Percentage Composition: C 57.87%; H 6.80%; N 4.50%; O 30.83%
Physical Description: Cryst. (MeOH/Et₂O)
Melting Point: Mp 203-205°
Optical Rotation: [α]_D²³ +204 (c, 1 in H₂O)
Sigma: B4894

>>**Derivative:** Benzyl glycoside, 4,6-*O*-benzylidene, *N*-Ac
Synonym(s): Benzyl 2-acetamido-4,6-*O*-benzylidene-2-deoxy- α -D-galactopyranoside

Molecular Formula: C₂₂H₂₅NO₆
Molecular Weight: 399.443
Accurate Mass: 399.168189
Percentage Composition: C 66.15%; H 6.31%; N 3.51%; O 24.03%
Physical Description: Needles (Py aq.)
Melting Point: Mp 246-247°
Optical Rotation: [α]_D²⁸ +219 (c, 2.1 in Py)

>>**Variant:** β -D-Pyranose-form

CAS Registry Number: 14196-86-2
Molecular Formula: C₆H₁₃NO₅
Molecular Weight: 179.172
Accurate Mass: 179.079374
Percentage Composition: C 40.22%; H 7.31%; N 7.82%; O 44.65%

>>**Derivative:** Penta-Ac
Synonym(s): 2-Acetamido-1,3,4,6-tetra-*O*-acetyl-2-deoxy- β -D-galactopyranose

CAS Registry Number: 3006-60-8

Molecular Formula: C₁₆H₂₃NO₁₀
Molecular Weight: 389.358
Accurate Mass: 389.132199
Percentage Composition: C 49.36%; H 5.95%; N 3.60%; O 41.09%
Melting Point: Mp 235-237°
Optical Rotation: [α]_D²⁰ +7 (CHCl₃)

References: