Percentage Composition: C 48.86%; H 8.66%; N 6.33%; O 36.16%
Melting Point: Mp 178° (as hydrochloride)
Optical Rotation: $[\alpha]_D$ +152.5 → +105 (H_2O)

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

CAS Registry Number: 3554-93-6

Molecular Formula: $C_{15}H_{21}NO_6$
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. ($MeOH/Et_2O$)
Melting Point: Mp 203-205°
Optical Rotation: $[\alpha]_D^{23}$+204 (c, 1 in H_2O)
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: $C_{22}H_{25}NO_6$
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: $[\alpha]_D^{28}$+219 (c, 2.1 in Py)

>>**Variant:** β-D-Pyranose-form

CAS Registry Number: 14196-86-2
Molecular Formula: $C_6H_{13}NO_5$
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: $C_{16}H_{23}NO_{10}$
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: $[\alpha]_D^{20}$+7 ($CHCl_3$)

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