Molecular Formula: $C_{27}H_{31}NO_5$
Molecular Weight: 449.546
Accurate Mass: 449.220224
Percentage Composition: C 72.14%; H 6.95%; N 3.12%; O 17.80%
Melting Point: Mp 114-115°
Optical Rotation: $[\alpha]_D^{20}$+76 (c, 1.1 in $CHCl_3$)

>>**Derivative:** 3,4,6-Tribenzyl; hydrochloride

Melting Point: Mp 184-185°
Optical Rotation: $[\alpha]_D^{20}$+55.3 (c, 2.1 in 2-methoxyethanol)

>>**Derivative:** Di-Et dithioacetal

CAS Registry Number: 18467-82-8
Molecular Formula: $C_{10}H_{23}NO_4S_2$
Molecular Weight: 285.428
Accurate Mass: 285.106849
Percentage Composition: C 42.08%; H 8.12%; N 4.91%; O 22.42%; S 22.47%
Melting Point: Mp 121-122° (as hydrochloride)
Optical Rotation: $[\alpha]_D$ –24 (H_2O)

>>**Derivative:** Di-Et acetal, 5,6-*O*-isopropylidene

CAS Registry Number: 18422-17-8
Molecular Formula: $C_{13}H_{27}NO_6$
Molecular Weight: 293.359
Accurate Mass: 293.183839
Percentage Composition: C 53.23%; H 9.28%; N 4.77%; O 32.72%
Melting Point: Mp 78-79°
Optical Rotation: $[\alpha]_D^{20}$–3 (c, 1 in $CHCl_3$)

>>**Derivative:** *N*-Carbamoyl
see *N*-Carbamoylglucosamine, JMX45-A

>>**Variant:** α-D-Pyranose-form

CAS Registry Number: 6490-70-6

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%
Melting Point: Mp 88°
Optical Rotation: $[\alpha]_D$ +100 → +47.5 (H_2O)

>>**Derivative:** Hydrochloride

CAS Registry Number: 66-84-2
Melting Point: Mp 190-210°
Optical Rotation: $[\alpha]_D$ +100 → +72.5 (H_2O)

Aldrich: G220-6
Fluka: 49130
Sigma: G1514

>>**Derivative:** Me glycoside
see Methyl 2-amino-2-deoxyglucopyranoside, BWX95-X