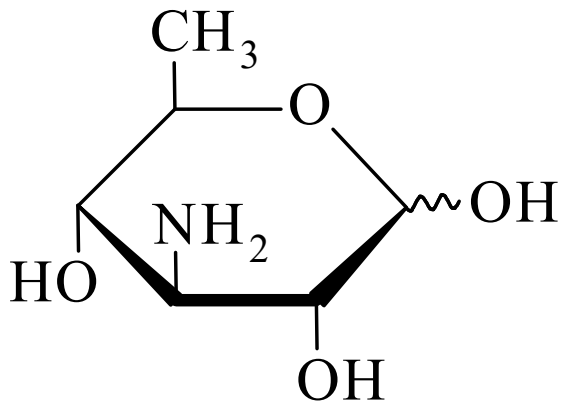
>>**Entry Name: 3-Amino-3,6-dideoxyglucose**



D-Pyranose-*form*

Molecular Formula: $C_6H_{13}NO_4$
Molecular Weight: 163.173
Accurate Mass: 163.084459
Percentage Composition: C 44.17%; H 8.03%; N 8.58%; O 39.22%

>>**Variant:** D-form

CAS Registry Number: 15435-23-1

Molecular Formula: $C_6H_{13}NO_4$
Molecular Weight: 163.173
Accurate Mass: 163.084459
Percentage Composition: C 44.17%; H 8.03%; N 8.58%; O 39.22%
Biological Source: Constit. of the lipopolysaccharides of *E. coli, Citrobacter* and *Salmonella*

>>**Derivative:** *N*-Formyl
Synonym(s): 3,6-Dideoxy-3-formamido-D-glucose

Molecular Formula: $C_7H_{13}NO_5$
Molecular Weight: 191.183
Accurate Mass: 191.079374
Percentage Composition: C 43.98%; H 6.85%; N 7.33%; O 41.84%
Biological Source: Occurs in *O*-specific polysaccharide of *Hafnia alvei* strain 1204

>>**Derivative:** *N*,*N*-Di-Me
Synonym(s): 3,6-Dideoxy-3-dimethylamino-D-glucose. **Mycaminose**

CAS Registry Number: 519-21-1

Molecular Formula: $C_8H_{17}NO_4$
Molecular Weight: 191.227
Accurate Mass: 191.115759
Percentage Composition: C 50.25%; H 8.96%; N 7.32%; O 33.47%

Melting Point: Mp 115-116° (as hydrochloride)
Optical Rotation: $[\alpha]_D^{25}$+31 (c, 1 in H_2O, equilib.)

>>**Derivative:** *N*-(2*S*,3-Dihydroxypropanoyl)
Synonym(s): 3,6-Dideoxy-3-(L-glyceroylamino)-D-glucose

Molecular Formula: $C_9H_{17}NO_7$
Molecular Weight: 251.236
Accurate Mass: 251.100504
Percentage Composition: C 43.03%; H 6.82%; N 5.58%; O 44.58%
Biological Source: Constit. of the antigenic polysaccharide of *Eubacterium saburreum* strain V5
Physical Description: Needles
Melting Point: Mp 190-196°
Optical Rotation: $[\alpha]_D^{28}$+60.8 (c, 2.6 in H_2O equilib.)