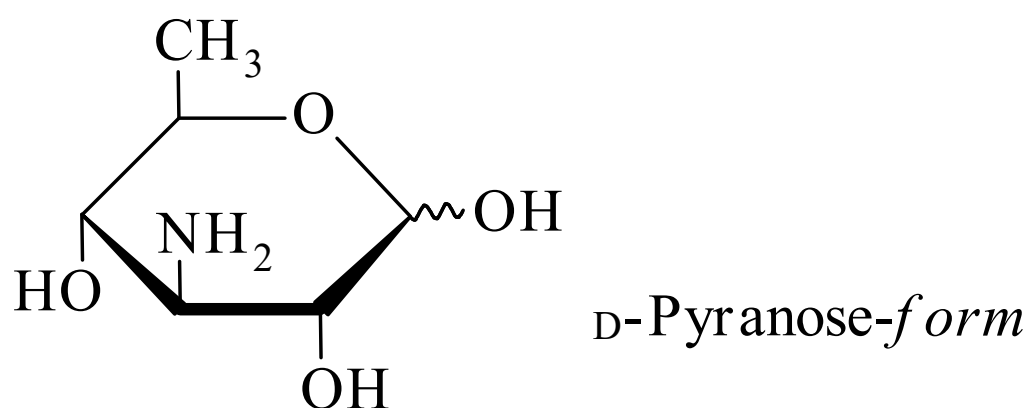




>>Entry Name: 3-Amino-3,6-dideoxyglucose



Molecular Formula: C₆H₁₃NO₄

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: C₆H₁₃NO₄

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: C₇H₁₃NO₅

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: C₈H₁₇NO₄

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: $[\alpha]_{\text{D}}^{25} +31$ (c, 1 in H₂O, equilib.)

>>Derivative: *N*-(2*S*,3-Dihydroxypropanoyl)

Synonym(s): 3,6-Dideoxy-3-(L-glyceroylamino)-D-glucose

Molecular Formula: C₉H₁₇NO₇

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: $[\alpha]_{\text{D}}^{28} +60.8$ (c, 2.6 in H₂O equilib.)