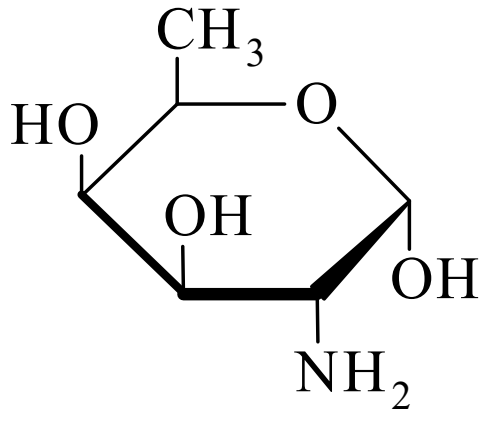
>>**Entry Name: 2-Amino-2,6-dideoxygalactose,** 8CI
Synonym(s): Fucosamine



a-D-*form*

CAS Registry Number: 24724-90-1

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%

>>**Variant:** D-form
CAS Registry Number: 6931-59-5

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: Obt. from Polysaccharides of *Chromobacterium violaceum, Bacillus licheniformis, Bacillus subtilis, Bacillus cereus* and *Staphylococcus aureus*. Also in swine erysipelas bacteria (*Erysipelothix insidiosa*)

>>**Derivative:** Phenylosazone

Optical Rotation: $[\alpha]_D^{20}$+38 (c, 1.0 in 2:3 Py/EtOH)

>>**Derivative:** Hydrochloride

CAS Registry Number: 49694-68-0
Melting Point: Mp 170-175 dec.°. Mp 192-193 dec.°
Optical Rotation: $[\alpha]_D^{20}$+93 (c, 0.4 in H_2O)

>>**Derivative:** *N*-Ac
Synonym(s): 2-Acetamido-2,6-dideoxy-D-galactose

Molecular Formula: $C_8H_{15}NO_5$
Molecular Weight: 205.21
Accurate Mass: 205.095024
Percentage Composition: C 46.82%; H 7.37%; N 6.83%; O 38.98%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 201-202°
Optical Rotation: $[\alpha]_D^{20}$+87 (c, 0.4 in H_2O)

>>**Derivative:** *N*-Me, *N*-Ac
Synonym(s): 2,6-Dideoxy-2-(*N*-methylacetamido)-D-galactose. *N*-Acetyl-*N*-methyl-D-fucosamine

Molecular Formula: $C_9H_{17}NO_5$
Molecular Weight: 219.237
Accurate Mass: 219.110674
Percentage Composition: C 49.31%; H 7.82%; N 6.39%; O 36.49%
Source/Synthesis: Present in some type-specific polysaccharides of *Bordetella pertussis* endotoxins
Physical Description: Hemihydrate
Optical Rotation: $[\alpha]_D$ +37 (c, 0.5 in H_2O, equilib.)
Other Data: V. sensitive to acid-catalysed glycosidation. The abs. config. of the natural sugar does not yet appear to have been demonstrated (1994)

https://www.baizuoyan.com - CopyRight ©baizuoyan