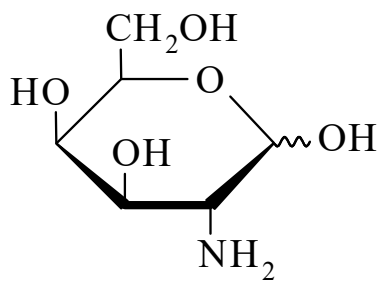




>>Entry Name: 2-Amino-2-deoxygalactose, 9Cl, 8Cl

Synonym(s): Galactosamine



CAS Registry Number: 1948-54-5

Related CAS Registry Numbers(s): 14131-60-3

Molecular Formula: C₆H₁₃NO₅

Molecular Weight: 179.172

Accurate Mass: 179.079374

Percentage Composition: C 40.22%; H 7.31%; N 7.82%; O 44.65%

>>Variant: D-form

Synonym(s): Chondrosamine

CAS Registry Number: 7535-00-4

Molecular Formula: C₆H₁₃NO₅

Molecular Weight: 179.172

Accurate Mass: 179.079374

Percentage Composition: C 40.22%; H 7.31%; N 7.82%; O 44.65%

Biological Source: Widespread in nature, found in many mucopolysaccharides (e.g. chondroitin sulphate from tendone, tracheae, nasal septa), glycoproteins, glyclipis, fungi, bacteria, antibiotics and uridine diphosphate complexes

Melting Point: Mp 185°

Optical Rotation: $[\alpha]_D^{20} +59.3$ (H₂O)

>>Derivative: Hydrochloride

CAS Registry Number: 1772-03-8

Melting Point: Mp 178-190 (168°) dec.°

Optical Rotation: $[\alpha]_D^{23} +47.3 \rightarrow +91.5$ (c, 0.95 in H₂O). $[\alpha]_D^{22} +119.3 \rightarrow +94.1$ (c, 0.75 in H₂O)

Aldrich: 13849-5

Fluka: 48250

Sigma: G0500

>>Derivative: N-Ac

Synonym(s): 2-Acetamido-2-deoxy-D-galactose

CAS Registry Number: 14215-68-0

Extra CAS Registry Numbers(s): 1811-31-0

Molecular Formula: C₈H₁₅NO₆

Molecular Weight: 221.21

Accurate Mass: 221.089939

Percentage Composition: C 43.44%; H 6.83%; N 6.33%; O 43.40%

Biological Source: Constit. of casein

Physical Description: Cryst. (EtOAc/MeOH)

Melting Point: Mp 172-173° (159-160°). Mp 120-122° (monohydrate)

Optical Rotation: $[\alpha]_D^{27} +86.1$ (c, 1.0 in H₂O). $[\alpha]_D^{21} +115$

Aldrich: 33591-6

Sigma: A4016

>>Variant: α-D-Pyranose-form

CAS Registry Number: 14196-84-0

Molecular Formula: C₆H₁₃NO₅

Molecular Weight: 179.172

Accurate Mass: 179.079374

Percentage Composition: C 40.22%; H 7.31%; N 7.82%; O 44.65%