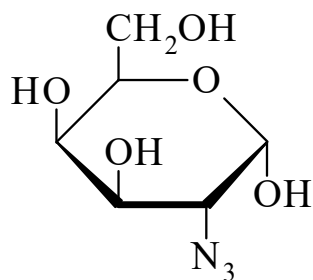




>>Entry Name: 2-Azido-2-deoxygalactose



α-D-Pyranose-form

Molecular Formula: C₆H₁₁N₃O₅

Molecular Weight: 205.17

Accurate Mass: 205.069872

Percentage Composition: C 35.13%; H 5.40%; N 20.48%; O 38.99%

>>Variant: *α*-D-Pyranose-form

CAS Registry Number: 71142-03-5

Molecular Formula: C₆H₁₁N₃O₅

Molecular Weight: 205.17

Accurate Mass: 205.069872

Percentage Composition: C 35.13%; H 5.40%; N 20.48%; O 38.99%

>>Derivative: 1,3,4,6-Tetra-Ac

Synonym(s): 1,3,4,6-Tetra-*O*-acetyl-2-azido-2-deoxy-*α*-D-galactopyranose

CAS Registry Number: 67817-30-5

Molecular Formula: C₁₄H₁₉N₃O₉

Molecular Weight: 373.319

Accurate Mass: 373.112132

Percentage Composition: C 45.04%; H 5.13%; N 11.26%; O 38.57%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 114-115°

Optical Rotation: [*α*]_D²⁵+91.7 (c, 1.05 in CHCl₃)

>>Derivative: Me glycoside

Synonym(s): Methyl 2-azido-2-deoxy-*α*-D-galactopyranoside

CAS Registry Number: 109914-53-6

Molecular Formula: C₇H₁₃N₃O₅

Molecular Weight: 219.197

Accurate Mass: 219.085522

Percentage Composition: C 38.36%; H 5.98%; N 19.17%; O 36.50%

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 132-133°

Optical Rotation: [*α*]_D +189 (c, 1 in MeOH)

>>Variant: *β*-D-Pyranose-form

Molecular Formula: C₆H₁₁N₃O₅

Molecular Weight: 205.17

Accurate Mass: 205.069872

Percentage Composition: C 35.13%; H 5.40%; N 20.48%; O 38.99%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 161.5-163 dec.°

Optical Rotation: [*α*]_D²⁵+76.9 (c, 0.98 in H₂O) (equilib.)