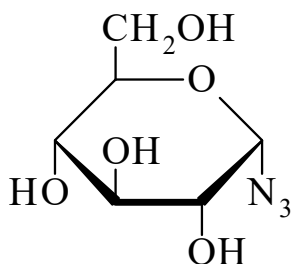




>>Entry Name: Glucopyranosyl azide, 9CI



α -D-Pyranose-form

CAS Registry Number: 122407-77-6

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: 20379-60-6

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. (MeCN/EtOH)

Melting Point: Mp 181.5-182.5° (176-178°)

Optical Rotation: [α]_D²²+258 (c, 1.13 in H₂O)

>>Derivative: Tetra-Ac

Synonym(s): 2,3,4,6-Tetra-*O*-acetyl- α -D-glucopyranosyl azide

CAS Registry Number: 20379-61-7

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. (EtOH)

Melting Point: Mp 100-101°

Optical Rotation: [α]_D²¹+191.7 (c, 0.532 in CHCl₃)

>>Derivative: 2,3,4-Tribenzyl

Synonym(s): 2,3,4-Tri-*O*-benzyl- α -D-glucopyranosylazide

CAS Registry Number: 87216-68-0

Molecular Formula: C₂₇H₂₉N₃O₅

Molecular Weight: 475.543

Accurate Mass: 475.210722

Percentage Composition: C 68.20%; H 6.15%; N 8.84%; O 16.82%

Melting Point: Mp 68-69°

Optical Rotation: [α]_D+96.87 (c, 2.6 in CHCl₃)

>>Variant: β -D-Pyranose-form

CAS Registry Number: 20379-59-3

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.

Melting Point: Mp 89° (86-88°)

Optical Rotation: [α]_D²²-28.5 (c, 1.34 in H₂O)