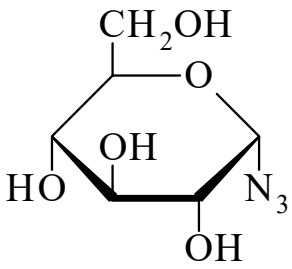
>>**Entry Name: Glucopyranosyl azide,** 9Cl



*a*-D-Pyranose-*form*

**CAS Registry Number:** 122407-77-6

**Molecular Formula:** $C_6H_{11}N_3O_5$
**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:** $C_6H_{11}N_3O_5$
**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:** $[\alpha]_D^{22}$+258 (c, 1.13 in $H_2O$)

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

**CAS Registry Number:** 20379-61-7

**Molecular Formula:** $C_{14}H_{19}N_3O_9$
**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:** $[\alpha]_D^{21}$+191.7 (c, 0.532 in $CHCl_3$)

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

**CAS Registry Number:** 87216-68-0

**Molecular Formula:** $C_{27}H_{29}N_3O_5$
**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:** $[\alpha]_D$ +96.87 (c, 2.6 in $CHCl_3$)

>>**Variant:** β-D-Pyranose-form

**CAS Registry Number:** 20379-59-3

**Molecular Formula:** $C_6H_{11}N_3O_5$
**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:** $[\alpha]_D^{22}$–28.5 (c, 1.34 in $H_2O$)