



Product Information

Tetra-O-acetyl- α -D-glucopyranosyl azide, Purity $\geq 95\%$

Cat. No.: X25-05-ZQ570

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g

MDL: MFCD00181721

CAS Number: 20379-61-7

Compound CID: 4114495

Synonym: 2,3,4,6-tetra-O-acetyl- α -D-mannopyranosyl azide; α -D-Glucosyl azide tetraacetate

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Tetra-O-acetyl- α -D-glucopyranosyl azide is a peracetylated glucosyl azide, soluble in organic solvents and a glycosyl donor for synthesizing <i>N</i> -linked glycans.
Molecular Weight	373.32
Molecular Formula	C ₁₄ H ₁₉ NO ₉
IUPAC Name	2-amino-9-[(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i>)-4-[(2,4-dichlorophenyl)methoxy]-5-[(2,4-dichlorophenyl)methoxymethyl]-3-hydroxyoxolan-2-yl]-1 <i>H</i> -purin-6-one
InChI	InChI=1S/C24H21Cl4N5O5/c25-13-3-1-11(15(27)5-13)7-36-9-17-20(37-8-12-2-4-14(26)6-16(12)28)19(34)23(38-17)33-10-30-18-21(33)31-24(29)32-22(18)35/h1-6,10,17,19-20,23,34H,7-9H2,(H3,29,31,32,35)/t17-,19-,20-,23-/m1/s1
InChI Key	JAGSISGCCCKHNAJ-ZDXOVATRSA-N
Canonical SMILES	<chem>C1=CC(=C(C=C1Cl)Cl)COC[C@@H]2[C@H]([C@H]([C@@H](O2)N3C=NC4=C3N=C(NC4=O)N)O)OCC5=C(C=C(C=C5)Cl)Cl</chem>
Source	Chemical synthesis
Form	Solid or powder
Purity	$\geq 95\%$
Solubility	Tetra-O-acetyl- α -D-glucopyranosyl azide is soluble in water and organic solvents such as DCM, DMF, and DMSO.
Identity	Confirmed by MS/NMR.
Stability	The product is stable for 1 year when stored at the recommended temperature in powder.
Quality Level	Research grade



Applications

Tetra-O-acetyl- α -D-glucopyranosyl azide can be used as a glycosyl donor for synthesizing α -glucosides *via* Staudinger ligation.

Storage

Store at -20°C, protect from light.
