



Product Information

Methyl 2,3,4,6-tetra-O-benzoyl- α -D-glucopyranoside, Purity $\geq 95\%$

Cat. No.: X25-05-ZQ338

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

CAS Number: 32849-03-9

Compound CID: 241150

Synonym: Methyl 2,3,4,6-tetra-O-benzoylhexopyranoside

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

Product Information

Description	Methyl 2,3,4,6-tetra-O-benzoyl- α -D-glucopyranoside is a perbenzoylated methyl glucoside, soluble in organic solvents and used as a protected intermediate in carbohydrate synthesis.
Molecular Weight	610.6
Molecular Formula	C ₃₅ H ₃₀ O ₁₀
IUPAC Name	(2R,3S,4R,5R)-2-(hydroxymethyl)-2-methyl-5-[6-(methylamino)purin-9-yl]oxolane-3,4-diol
InChI	InChI=1S/C12H17N5O4/c1-12(3-18)8(20)7(19)11(21-12)17-5-16-6-9(13-2)14-4-15-10(6)17/h4-5,7-8,11,18-20H,3H2,1-2H3,(H,13,14,15)/t7-,8+,11-,12-/m1/s1
InChI Key	MENGSHYAAALOLNT-IWXIMVSXSA-N
Canonical SMILES	<chem>C[C@]1([C@H]([C@H]([C@@H](O1)N2C=NC3=C(N=CN=C32)NC)O)O)CO</chem>
Source	Chemical synthesis
Form	Solid or powder
Purity	$\geq 95\%$
Solubility	Methyl 2,3,4,6-tetra-O-benzoyl- α -D-glucopyranoside 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	Methyl 2,3,4,6-tetra-O-benzoyl- α -D-glucopyranoside is a protected methyl glucoside used in glycosylation reactions.
Storage	Store at -20°C, protect from light.