CD BioGlyco
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Product Information

Methyl-2-acetamido-2-deoxy-SS-D-glucopyranoside, Purity ≥95%

Cat. No.: X25-05-ZQ282

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

CAS Number: 2771-48-4

Compound CID: 10784799

Synonym: 2771-48-4; METHYL 2-ACETAMIDO-3,4,6-TRI-*O*-ACETYL-2-DEOXY-BETA-D-GLUCOPYRANOSIDE

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

Product Information

Description	Methyl 2-acetamido-2-deoxy-β-D-glucopyranoside, an *N*-acelylglucosamine derivative with a methyl aglycone, soluble in polar solvents and a substrate for glycosidase assays.
Molecular Weight	361.34
Molecular Formula	$C_{15}H_{23}NO_9$
IUPAC Name	1-[(2*R*,4*S*,5*R*)-4-chloro-5-(trityloxymethyl)oxolan-2-yl]-5-methylpyrimidine-2,4-dione
InChI	InChI=1S/C29H27ClN2O4/c1-20-18-32(28(34)31-27(20)33)26-17-24(30)25(36-26)19-35-29(21-11-5-2-6-12-21,22-13-7-3-8-14-22)23-15-9-4-10-16-23/h2-16,18,24-26H,17,19H2,1H3,(H,31,33,34)/t24-,25+,26+/m0/s1
InChI Key	UPBVZHGDVFKZMX-JIMJEQGWSA-N
Canonical SMILES	CC1=CN(C(=O)NC1=O)[C@H]2C[C@@H]([C@H](O2)COC(C3=CC=CC=C3)(C4=CC=CC=C4)C5=CC=CC=C5)Cl
Source	Chemical synthesis
Form	Solid or powder
Purity	≥95%
Solubility	Methyl 2-acetamido-2-deoxy-β-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-acetamido-2-deoxy-β-D-glucopyranoside can be used for studying enzyme mechanisms.
Storage	Store at -20°C, protect from light.

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