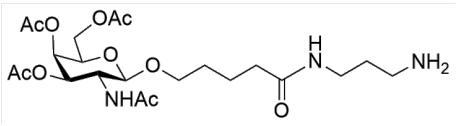
CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

# Product Information

## GalNAc-L96 intermediate, T4-Amine, Purity ≥98%




**Cat. No.:** X24-11-YM014

**Size:** 1 g; 2 g; 5 g; 10 g

**CAS Number:** 1637413-94-5

**Synonym:** 1637413-94-5;
(2*R*,3*R*,4*R*,5*R*,6*R*
)-5-Acetamido-2-(acetoxymethyl)-6-((5-((3-aminopropyl)amino)-5-oxopentyl)oxy)tetrah
ydro-2*H*-pyran-3,4-diyl diacetate; Pentanamide, *N*
-(3-aminopropyl)-5-[[3,4,6-tri-*O*-acetyl-2-(acetylamino)-2-deoxy-|A-D-
galactopyranosyl]oxy]-

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

## Product Information

| | |
|---|---|
| **Description** | GalNAc-L96, a triantennary GalNAc ligand that acts as an efficient ASGPR binder, enables the synthesis of GalNAc-siRNA for enhanced hepatocyte targeting. T4-Amine facilitates the synthesis of GalNAc-L96 for use in creating and developing new therapies. |
| **Molecular Weight** | 503.5 |
| **Molecular Formula** | $C_{22}H_{37}N_3O_{10}$ |
| **IUPAC Name** | (2*R*,3*R*,4*R*,5*R*,6*R*<br>)-5-Acet<br>amido-2-(acetoxymethyl)-6-((5-((3-aminopropyl)amino)-5-oxopentyl)oxy)tetrahydro-2*H*-pyran-3,4-diyl diacetate; Pentanamide, *N*-(3-aminopropyl)-5-[[3,4,6-tri-*O*-acetyl-2-(acetylamino)-2-deoxy-\|A-D-galactopyranosyl]oxy]- |
| **InChI** | InChI=1S/C22H37N3O10/c1-13(26)25-19-21(34-16(4)29)20(33-15(3)28)17(12-32-14(2)27)35-22(19)31-11-6-5-8-18(30)24-10-7-9-23/h17,19-22H,5-12,23H2,1-4H3,(H,24,30)(H,25,26)/t17-,19-,20+,21-,22-/m1/s1 |
| **InChI Key** | DMJVSLQIPZGUTN-MIUGBVLSSA-N |
| **SMILES string** | CC(=O)N[C@@H]1[C@H]([C@H]([C@H](O[C@H]1OCCCCC(=O)NCCCN)COC(=O)C)OC(=O)C)OC(=O)C |
| **Form** | Solid |
| **Purity** | ≥98%, determined by HPLC. |
| **Impurities** | Free from inappropriate visible particulates, foreign matter, discoloration, or other defects. |

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| | |
|---|---|
| **Identity** | Conforms to structure, determined by $^{1}H$ NMR. |
| **Test Method** | NMR; HPLC |
| **Quality Level** | Research grade |
| **Storage** | Store under dry conditions at room temperature. |

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