

Product Information

GalNAc-L96 intermediate, T4-Amine, Purity $\geq 98\%$

Cat. No.: X24-11-YM014

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

CAS Number: 1637413-94-5

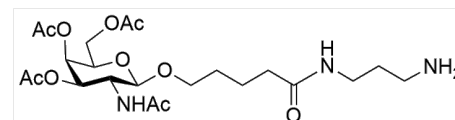
Synonym: 1637413-94-5;

(2*R*,3*R*,4*R*,5*R*,6*R*

)-5-Acetamido-2-(acetoxymethyl)-6-((5-((3-aminopropyl)amino)-5-oxopentyl)oxy)tetrahydro-2*H*-pyran-3,4-diyl diacetate; Pentanamide, *N*

-(3-aminopropyl)-5-[[3,4,6-tri-*O*-acetyl-2-(acetylamino)-2-deoxy- β -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 ₃ O ₁₀
IUPAC Name	(2 <i>R</i> ,3 <i>R</i> ,4 <i>R</i> ,5 <i>R</i> ,6 <i>R</i>)-5-Acetamido-2-(acetoxymethyl)-6-((5-((3-aminopropyl)amino)-5-oxopentyl)oxy)tetrahydro-2 <i>H</i> -pyran-3,4-diyl diacetate; Pentanamide, <i>N</i> -(3-aminopropyl)-5-[[3,4,6-tri- <i>O</i> -acetyl-2-(acetylamino)-2-deoxy- β -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]([C@H]([C@H]1O)C)C)C)C(=O)NCCCC(=O)NCCCN)COC(=O)C)OC(=O)C)OC(=O)C
Form	Solid
Purity	$\geq 98\%$, determined by HPLC.
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.



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