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

Product Information

Tri-GalNAc(OAc)3, Purity ≥98%

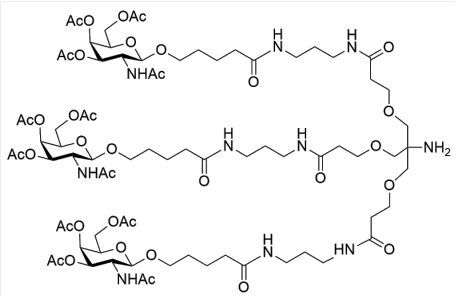
Cat. No.: X24-11-YM016

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

CAS Number: 1159408-64-6

Synonym: 1159408-64-6; Peracetylated tri-GalNAc-amine

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



Product Information

Description	Tri-GalNAc(OAc)3 is used to synthesize conjugates for targeted drug delivery systems. These conjugates can specifically bind to receptors on target cells, such as the asialoglycoprotein receptor (ASGPR), ensuring the drugs reach their intended targets with high precision.
Molecular Weight	1793.9
Molecular Formula	$C_{79}H_{128}N_{10}O_{36}$
Targets	ASGPR
IUPAC Name	[(2*R*,3*R*,4*R*,5*R*,6*R*)-5-Acetamido-6-[5-[3-[3-[3-[3-[3-[5-[(2*R*,3*R*,4*R*,5*R*,6*R*)-3-acetamido-4,5-diacetyloxy-6-(acetyloxymethyl)oxan-2-yl]oxypentanoylamino]propylamino]-3-oxopropoxy]-2-[[3-[3-[5-[(2*R*,3*R*,4*R*,5*R*,6*R*)-3-acetamido-4,5-diacetyloxy-6-(acetyloxymethyl)oxan-2-yl]oxypentanoylamino]propylamino]-3-oxopropoxy]methyl]-2-aminopropoxy]propanoylamino]propylamino]-5-oxopentoxy]-3,4-diacetyloxyoxan-2-yl]methyl acetate
InChI	InChI=1S/C79H128N10O36/c1-46(90)87-67-73(120-55(10)99)70(117-52(7)96)58(40-114-49(4)93)123-76(67)111-34-16-13-22-61(102)81-28-19-31-84-64(105)25-37-108-43-79(80,44-109-38-26-65(106)85-32-20-29-82-62(103)23-14-17-35-112-77-68(88-47(2)91)74(121-56(11)100)71(118-53(8)97)59(124-77)41-115-50(5)94)45-110-39-27-66(107)86-33-21-30-83-63(104)24-15-18-36-113-78-69(89-48(3)92)75(122-57(12)101)72(119-54(9)98)60(125-78)42-116-51(6)95/h58-60,67-78H,13-45,80H2,1-12H3,(H,81,102)(H,82,103)(H,83,104)(H,84,105)(H,85,106)(H,86,107)(H,87,90)(H,88,91)(H,89,92)/t58-,59-,60-,67-,68-,69-,70+,71+,72+,73-,74-,75-,76-,77-,78-/m1/s1
InChI Key	VGHVGBJYGYFWED-PNPDLPPQSA-N
SMILES string	CC(=O)N[C@@H]1[C@H]([C@H]([C@H](O[C@H]1OCCCCC(=O)NCCCNC(=O)CCOCC(COCCC(=O)NCCCNC(=O)CCCCO[C@H]2[C@@H]([C@H]([C@H]([C@H](O2)COC(=O)C)OC(=O)C)OC(=O)C)NC(=O)C)(COCCC(=O)NCCCNC(=O)CCCCO[C@H]3[C@@H]([C@H]([C@H]([C@H](O3)COC(=O)C)OC(=O)C)OC(=O)C)NC(=O)C)N)COC(=O)C)OC(=O)C)OC(=O)C
Form	Solid

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Purity	≥98%, determined by HPLC.
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
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.