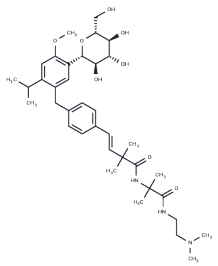
Data Sheet (Cat.No.T12892)

TargetMol

SGL5213

Chemical Properties



CAS No. : 1240305-17-2

Formula: C37H55N3O8

Molecular Weight: 669.85

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	SGL5213 is an oral active and low-absorbable inhibitor of sodium-dependent glucose cotransporter 1 (SGLT1)(hSGLT1 and hSGLT2 with IC50 values of 29 nM and 20 nM , respectively),and has potential to treat type 2 diabetes.
Targets(IC50)	SGLT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4929 mL	7.4644 mL	14.9287 mL
5 mM	0.2986 mL	1.4929 mL	2.9857 mL
10 mM	0.1493 mL	0.7464 mL	1.4929 mL
50 mM	0.0299 mL	0.1493 mL	0.2986 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kuroda S, et al. Discovery of potent, low-absorbable sodium-dependent glucose cotransporter 1 (SGLT1) inhibitor SGL5213 for type 2 diabetes treatment. Bioorg Med Chem. 2019 Jan 15;27(2):394-409.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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