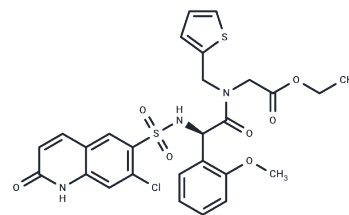


OSMI-4

Chemical Properties

CAS No. : 2260791-14-6
Formula: C₂₇H₂₆ClN₃O₇S₂
Molecular Weight: 604.09
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	OSMI-4 is a low nanomolar O-GlcNAc transferase (OGT) inhibitor (EC ₅₀ of 3 μ M in cells), which can be used to study OGT inhibition in different human cell lines.
Targets(IC ₅₀)	Others
In vitro	OSMI-4 is the best inhibitor of OGT reported to date, with a 3 μ M EC ₅₀ in cells, making it especially attractive for probing OGT's complex biology.[1]

Solubility Information

Solubility	DMSO: 56.2 mg/mL (93.1 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6554 mL	8.2769 mL	16.5538 mL
5 mM	0.3311 mL	1.6554 mL	3.3108 mL
10 mM	0.1655 mL	0.8277 mL	1.6554 mL
50 mM	0.0331 mL	0.1655 mL	0.3311 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.

Reference

Martin SES, et al. Structure-Based Evolution of Low Nanomolar O-GlcNAc Transferase Inhibitors. J Am Chem Soc. 2018 Oct 24;140(42):13542-13545.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481