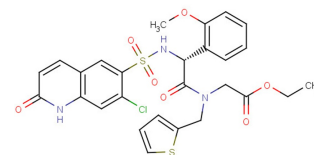


OSMI-4

Chemical Properties

CAS No.:	2260791-14-6
Formula:	C ₂₇ H ₂₆ ClN ₃ O ₇ S ₂
Molecular Weight:	604.09
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	OSMI-4 is a low nanomolar inhibitor of O-GlcNAc transferase (OGT) (EC ₅₀ of 3 μM in cells.)
Targets(IC ₅₀)	Others: None
In vitro	OSMI-4 is the best inhibitor of OGT reported to date, with a ~3 μM EC ₅₀ in cells, making it especially attractive for probing OGT's complex biology[1].

Solubility Information

Solubility	DMSO: 62.5 mg/mL (103.46 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.655 mL	8.277 mL	16.554 mL
5 mM	0.331 mL	1.655 mL	3.311 mL
10 mM	0.166 mL	0.828 mL	1.655 mL
50 mM	0.033 mL	0.166 mL	0.331 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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