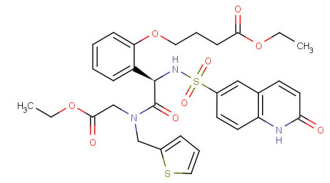


Data Sheet (Cat.No.T12327)

OSMI-3

Chemical Properties

CAS No.:	2260791-13-5
Formula:	C32H35N3O9S2
Molecular Weight:	669.77
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	OSMI-3 is a potent, long-lasting and cell-permeable inhibitor of O-linked N-acetylglucosamine transferase (OGT).
Targets(IC ₅₀)	Others: None
In vitro	OSMI-3 (HCT116 cells) treatment significantly reduces O-GlcNAc levels, and has more sustained cellular effects than OSMI-2[1]. A decrease in HCF-1 cleavage products and the appearance of uncleaved HCF-1 in cells treated with OSMI-3 (Compound 2b) is observed.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.493 mL	7.465 mL	14.93 mL
5 mM	0.299 mL	1.493 mL	2.986 mL
10 mM	0.149 mL	0.747 mL	1.493 mL
50 mM	0.03 mL	0.149 mL	0.299 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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