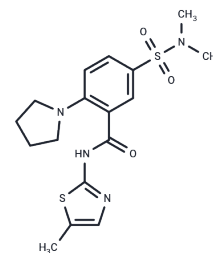


NGI-1

Chemical Properties

CAS No. :	790702-57-7
Formula:	C17H22N4O3S2
Molecular Weight:	394.51
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	NGI-1 (ML414) is a cell-permeable inhibitor of oligosaccharyltransferase (OST).can effectively reduce virus infectivity without affecting cell viability.
Targets(IC50)	Virus Protease
In vitro	In non-small-cell lung cancer cells, NGI-1 blocks cell-surface localization and signaling of the epidermal growth factor receptor (EGFR) glycoprotein, but selectively arrests proliferation in only those cell lines that are dependent on EGFR (or fibroblast growth factor, FGFR) for survival[1].

Solubility Information

Solubility	DMSO: 160 mg/mL (405.57 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5348 mL	12.6739 mL	25.3479 mL
5 mM	0.507 mL	2.5348 mL	5.0696 mL
10 mM	0.2535 mL	1.2674 mL	2.5348 mL
50 mM	0.0507 mL	0.2535 mL	0.507 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

Lopez-Sambrooks C , Shrimall S , Khodier C , et al. Oligosaccharyltransferase inhibition induces senescence in RTK-driven tumor cells[J]. Nature Chemical Biology, 2016.

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