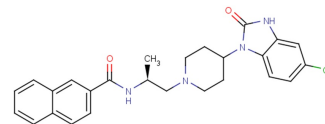


VU0155069

Chemical Properties

CAS No.:	1130067-06-9
Formula:	C ₂₆ H ₂₇ ClN ₄ O ₂
Molecular Weight:	462.97
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	VU0155069 strongly inhibits the invasive migration of several cancer cell lines in transwell assays. VU0155069 is a selective phospholipase D1 inhibitor (IC ₅₀ : 46 nM in vitro).
Targets(IC ₅₀)	PLD1: 46 nM PLD2: 933 nM

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	2.16 mL	10.8 mL	21.6 mL
5 mM	0.432 mL	2.16 mL	4.32 mL
10 mM	0.216 mL	1.08 mL	2.16 mL
50 mM	0.043 mL	0.216 mL	0.432 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

2. Lewis JA, et al. Design and synthesis of isoform-selective phospholipase D (PLD) inhibitors. Part I: Impact of alternative halogenated privileged structures for PLD1 specificity. Bioorg Med Chem Lett. 2009 Apr 1;19(7):1916-20.

Inhibitors · Natural Compounds · Compound Libraries

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