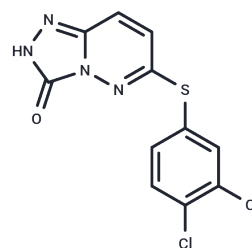


Carboxylesterase-IN-3

Chemical Properties

CAS No. :	2764748-92-5
Formula:	C ₁₁ H ₆ Cl ₂ N ₄ O ₅
Molecular Weight:	313.16
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Carboxylesterase-IN-3 is a potent inhibitor of Carboxylesterase Notum (IC ₅₀ ≤ 10 nM). Carboxylesterase-IN-3 has the potential to study cancer diseases.
Targets(IC ₅₀)	Lipid,Wnt/beta-catenin

Solubility Information

Solubility	DMSO: 3.14 mg/mL (10.03 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	3.1933 mL	15.9663 mL	31.9326 mL
5 mM	0.6387 mL	3.1933 mL	6.3865 mL
10 mM	0.3193 mL	1.5966 mL	3.1933 mL
50 mM	0.0639 mL	0.3193 mL	0.6387 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Steadman D, et al. Virtual Screening Directly Identifies New Fragment-Sized Inhibitors of Carboxylesterase Notum with Nanomolar Activity. J Med Chem. 2022;65(1):562-578.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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