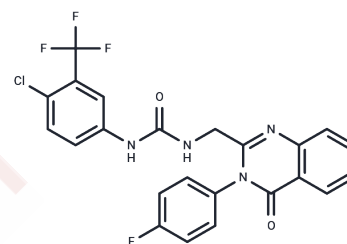


Hedgehog Antagonist VIII

Chemical Properties

CAS No. :	330796-24-2
Formula:	C ₂₃ H ₁₅ ClF ₄ N ₄ O ₂
Molecular Weight:	490.84
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	Hedgehog (Hh) proteins, important regulators of development, bind the cell-surface protein Patched, allowing activation of Smoothened. In vertebrates, this ultimately leads to the activation of the zinc-finger transcription factors of the Gli family. Overactivation of this pathway contributes to certain cancers, including glioblastoma, for which the Gli proteins are named. Hh antagonist VIII is a cell-permeable quinazolinyl-urea compound that has been shown to inhibit Gli transcription activity with an IC ₅₀ value of 70 nM.
Targets(IC ₅₀)	Others,Hedgehog/Smoothened

Solubility Information

Solubility	Ethanol: 10 mg/mL (20.37 mM),Sonication is recommended. DMF: 30 mg/mL (61.12 mM),Sonication is recommended. DMF:PBS(pH7.2) (1:2): 0.3 mg/mL (0.61 mM),Sonication is recommended. DMSO: 25 mg/mL (50.93 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	2.0373 mL	10.1866 mL	20.3732 mL
5 mM	0.4075 mL	2.0373 mL	4.0746 mL
10 mM	0.2037 mL	1.0187 mL	2.0373 mL
50 mM	0.0407 mL	0.2037 mL	0.4075 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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