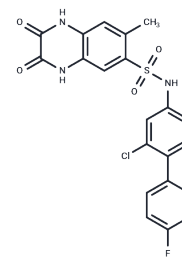


H052

Chemical Properties

CAS No. : 2886748-00-9
 Formula: C₂₁H₁₅ClFN₃O₄S
 Molecular Weight: 459.88
 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	H052 is a selective inhibitor of Staphylococcus aureus α -hemolysin (Hla). It binds to the Hla monomer, disrupting its interaction with the host cell membrane, thereby blocking pore formation and inhibiting calcium influx, cytotoxicity, and inflammatory response. H052 exhibits inhibitory activity against Hla-induced calcium influx (EC ₅₀ = 30 nM in U937 cells) and holds potential for research into lung infections caused by S. aureus.
Targets(IC50)	Calcium Channel, Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1745 mL	10.8724 mL	21.7448 mL
5 mM	0.4349 mL	2.1745 mL	4.349 mL
10 mM	0.2174 mL	1.0872 mL	2.1745 mL
50 mM	0.0435 mL	0.2174 mL	0.4349 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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