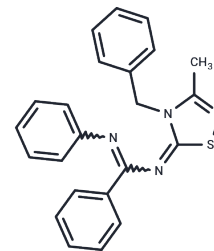


RNF5 inhibitor inh-02

Chemical Properties

CAS No. :	324579-65-9
Formula:	C ₂₃ H ₂₀ N ₄ S
Molecular Weight:	384.5
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	RNF5 inhibitor inh-02 is a selective inhibitor of the ubiquitin ligase RNF5/RMA1, which can significantly rescue F508del-CFTR (cystic fibrosis transmembrane conductance regulator with a deletion at position 508 of phenylalanine) and regulate ATG4B and paxillin, making it useful for studying cystic fibrosis (CF).
Targets(IC50)	E1/E2/E3 Enzyme,ATG

Solubility Information

Solubility	DMSO: 80 mg/mL (208.06 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6008 mL	13.0039 mL	26.0078 mL
5 mM	0.5202 mL	2.6008 mL	5.2016 mL
10 mM	0.2601 mL	1.3004 mL	2.6008 mL
50 mM	0.052 mL	0.2601 mL	0.5202 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

Elvira Sondo, et al. Pharmacological Inhibition of the Ubiquitin Ligase RNF5 Rescues F508del-CFTR in Cystic Fibrosis Airway Epithelia. Cell Chem Biol. 2018 Jul 19;25(7):891-905.e8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481