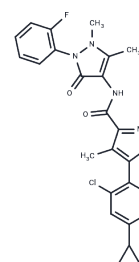


Smurf1-IN-5

Chemical Properties

CAS No. :	1824647-09-7
Formula:	C ₂₅ H ₂₂ ClFN ₄ O ₃
Molecular Weight:	480.92
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	Smurf1-IN-5 (Compound cpd-6) is an inhibitor of the SMAD ubiquitin regulatory factor (SMURF1). It reduces the ubiquitination of substrates such as BMPR2 (bone morphogenetic protein receptor 2) and SMAD1, thereby enhancing the BMP (bone morphogenetic protein) signaling pathway. Smurf1-IN-5 holds promise for research in pulmonary arterial hypertension (PAH).
Targets(IC50)	E1/E2/E3 Enzyme

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0793 mL	10.3967 mL	20.7935 mL
5 mM	0.4159 mL	2.0793 mL	4.1587 mL
10 mM	0.2079 mL	1.0397 mL	2.0793 mL
50 mM	0.0416 mL	0.2079 mL	0.4159 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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