

SIM010603

Chemical Properties

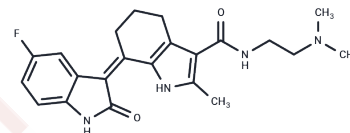
CAS No. : 1032265-67-0

Formula: C22H25FN4O2

Molecular Weight: 396.46

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	SIM010603 is a structurally novel, oral, multi-targeted receptor tyrosine kinase inhibitor. SIM010603 inhibited stem cell factor receptor (Kit), vascular endothelial growth factor receptor-2 (VEGFR-2), platelet-derived growth factor receptor-β (PDGFR-β), glial cell line-derived neurotrophic factor receptor (Rearranged during Transfection; RET), and Fms-like tyrosine kinase-3 (FLT3) with IC(50) values between 5.0 and 68.1 nmol/L. SIM010603 inhibited the phosphorylation of PDGFR-β and VEGFR-2. Moreover, SIM010603 inhibited endothelial cell proliferation, endothelial cells chemotaxis, and corneal angiogenesis.
Targets(IC50)	Others,c-RET,c-Kit,VEGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5223 mL	12.6116 mL	25.2232 mL
5 mM	0.5045 mL	2.5223 mL	5.0446 mL
10 mM	0.2522 mL	1.2612 mL	2.5223 mL
50 mM	0.0504 mL	0.2522 mL	0.5045 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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