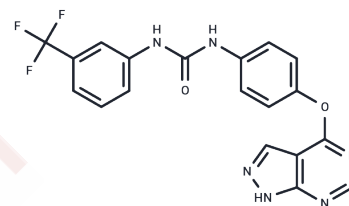


YLL545

Chemical Properties

CAS No. : 1423126-69-5
 Formula: C₁₉H₁₃F₃N₆O₂
 Molecular Weight: 414.34
 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	YLL545 is an inhibitor of Vascular Endothelial Growth Factor Receptor 2 (VEGFR2). It inhibits VEGF-induced phosphorylation of VEGFR2 and the activation of downstream signaling mediators (such as phosphorylated STAT3 and phosphorylated ERK1/2) in human umbilical vein endothelial cells (HUVEC). Additionally, YLL545 suppresses HUVEC proliferation, migration, invasion, and angiogenesis. It also induces apoptosis and inhibits tumor growth in a mouse model of breast cancer.
Targets(IC50)	Apoptosis,ERK,STAT,VEGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4135 mL	12.0674 mL	24.1348 mL
5 mM	0.4827 mL	2.4135 mL	4.827 mL
10 mM	0.2413 mL	1.2067 mL	2.4135 mL
50 mM	0.0483 mL	0.2413 mL	0.4827 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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