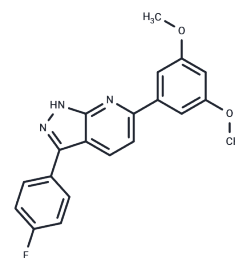


APcK110

Chemical Properties

CAS No. :	1001083-74-4
Formula:	C20H16FN3O2
Molecular Weight:	349.36
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	APcK110 is a novel Kit inhibitor . APcK110 inhibits proliferation of the mastocytosis cell line HMC1.2 and the SCF-responsive cell line OCI/AML3 in a dose-dependent manner . APcK110 is a more potent inhibitor of OCI/AML3 proliferation than the clinically used Kit inhibitors imatinib and dasatinib and at least as potent as cytarabine. APcK110 inhibits the phosphorylation of Kit, Stat3, Stat5, and Akt in a dose-dependent fashion, showing activity of APcK110 on Kit and its downstream signaling pathways . APcK110 may have potent application in AML.
Targets(IC50)	Others,c-Kit

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8624 mL	14.3119 mL	28.6238 mL
5 mM	0.5725 mL	2.8624 mL	5.7248 mL
10 mM	0.2862 mL	1.4312 mL	2.8624 mL
50 mM	0.0572 mL	0.2862 mL	0.5725 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

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