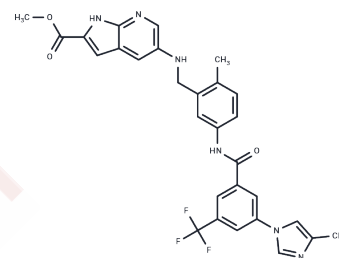


CAY10717

Chemical Properties

CAS No. : 1240322-54-6
 Formula: C₂₉H₂₅F₃N₆O₃
 Molecular Weight: 562.54
 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	CAY10717 is a multi-targeted kinase inhibitor that exhibits greater than 40% inhibition of 34 of 104 kinases in an enzymatic assay at a concentration of 100 nM. It has activity at multiple oncogenic kinases, with IC ₅₀ values less than 50 nM against wild-type EGFR and ABL and mutant ABLG250E, ABLY253F, ABLE255K, and B-RafV600E. CAY10717 is highly cytotoxic against a cancer cell panel that includes chemotherapy-sensitive and -resistant cell lines (EC ₅₀ s = 0.4-158 nM). It also inhibits the growth of human umbilical vein endothelial cells (HUVECs; EC ₅₀ = 34 nM), a model for tumor angiogenesis.
Targets(IC ₅₀)	EGFR,Raf,Others,Src,VEGFR

Solubility Information

Solubility	DMSO: 12.5 mg/mL (22.22 mM),Sonication is recommended. DMF:PBS(pH7.2) (1:2): 0.33 mg/mL (0.59 mM),Sonication is recommended. DMF: 30 mg/mL (53.33 mM),Sonication is recommended. Ethanol: 0.5 mg/mL (0.89 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7777 mL	8.8883 mL	17.7765 mL
5 mM	0.3555 mL	1.7777 mL	3.5553 mL
10 mM	0.1778 mL	0.8888 mL	1.7777 mL
50 mM	0.0356 mL	0.1778 mL	0.3555 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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