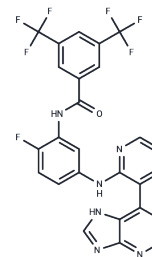


SJ-C1044

## Chemical Properties

CAS No. : 2121503-76-0  
 Formula: C<sub>25</sub>H<sub>14</sub>F<sub>7</sub>N<sub>7</sub>O  
 Molecular Weight: 561.41  
 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	SJ-C1044 is an orally effective pan-RAF inhibitor demonstrating immunomodulatory and antitumor activities. It targets wild-type BRAF, wild-type CRAF, and BRAF(V600E) with IC <sub>50</sub> values of 331, 257, and 187 nM, respectively. SJ-C1044 suppresses tumor cell proliferation by inhibiting kras activation and MEK-ERK phosphorylation. Additionally, it shows inhibition of VEGFR2, TIE2, and CSF1R, with IC <sub>50</sub> values of 100, 23, and 235 nM respectively. The compound enhances the tumor immune microenvironment through inhibition of angiogenesis and modulation of macrophage function. SJ-C1044 is applicable for research in colorectal cancer.
Targets(IC <sub>50</sub> )	ERK,c-Fms,Raf,MEK,Tie-2,VEGFR,Ras

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7812 mL	8.9061 mL	17.8123 mL
5 mM	0.3562 mL	1.7812 mL	3.5625 mL
10 mM	0.1781 mL	0.8906 mL	1.7812 mL
50 mM	0.0356 mL	0.1781 mL	0.3562 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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