

HC-5404-Fu

## Chemical Properties

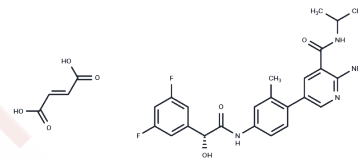
CAS No. : 3034479-99-4

Formula: C<sub>28</sub>H<sub>28</sub>F<sub>2</sub>N<sub>4</sub>O<sub>7</sub>

Molecular Weight: 570.54

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	HC-5404-Fu is an inhibitor of PERK with anti-tumor activity. This compound inhibits the signaling pathway of the endoplasmic reticulum stress response. Additionally, HC-5404-Fu increases the sensitivity of renal cell carcinoma cells to vascular endothelial growth factor (VEGF) receptor tyrosine kinase inhibitors (TKIs). It holds potential for research into renal cell carcinoma, stomach cancer, metastatic breast cancer, small cell lung cancer, and other solid tumors.
Targets(IC50)	PERK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7527 mL	8.7636 mL	17.5273 mL
5 mM	0.3505 mL	1.7527 mL	3.5055 mL
10 mM	0.1753 mL	0.8764 mL	1.7527 mL
50 mM	0.0351 mL	0.1753 mL	0.3505 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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