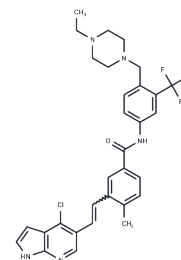


HG-6-63-01

Chemical Properties

CAS No. : 2177298-99-4
 Formula: C₃₁H₃₁ClF₃N₅O
 Molecular Weight: 582.06
 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	HG-6-63-01 serves as a type II RET tyrosine kinase inhibitor (TKI). It effectively targets and inhibits REarranged during Transfection (RET) kinase, disrupting signaling pathways in human thyroid cancer cell lines possessing oncogenic RET alleles. Moreover, this compound reduces the phosphorylation and signaling of RET oncogenic mutants. HG-6-63-01 further suppresses the proliferation of fibroblasts transformed by RET/C634R and RET/M918T, as well as thyroid cancer cells with RET mutations, showing potential as a therapeutic option for cancers with oncogenic activation of RET.
Targets(IC50)	c-RET

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.718 mL	8.5902 mL	17.1804 mL
5 mM	0.3436 mL	1.718 mL	3.4361 mL
10 mM	0.1718 mL	0.859 mL	1.718 mL
50 mM	0.0344 mL	0.1718 mL	0.3436 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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