

CQ1373

Chemical Properties

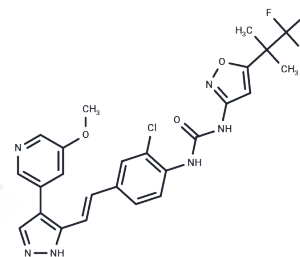
CAS No. :

Formula: C₂₅H₂₂ClF₃N₆O₃

Molecular Weight: 546.93

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	CQ1373 is a potent RET inhibitor that demonstrates cellular activity against BaF3 cells expressing CCDC6-RET, CCDC6-RET-G810C, and CCDC6-RET-G810R, with IC ₅₀ values of 13.0, 25.7, and 28.4 nM, respectively. It shows excellent selectivity for wild-type RET and solvent front mutants G810C/R, with IC ₅₀ values of 4.2, 7.1, and 32.4 nM. CQ1373 inhibits RET phosphorylation and downstream signaling through SHC. Additionally, it induces apoptosis (Apoptosis) and cell cycle arrest in BaF3 cells. CQ1373 possesses antitumor efficacy, making it a candidate for cancer research.
Targets(IC ₅₀)	Apoptosis,c-RET

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8284 mL	9.1419 mL	18.2839 mL
5 mM	0.3657 mL	1.8284 mL	3.6568 mL
10 mM	0.1828 mL	0.9142 mL	1.8284 mL
50 mM	0.0366 mL	0.1828 mL	0.3657 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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