

CQ627

Chemical Properties

CAS No. :

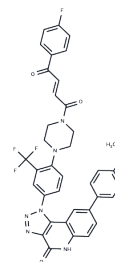
Formula: C36H27F4N7O4

Molecular Weight: 697.638

Keep away from direct sunlight

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	CQ627 is a molecular glue that targets the degradation of RIOK2. It effectively recruits the E3 ubiquitin ligase RNF126, inducing the proteasomal degradation of RIOK2 via the ubiquitin-proteasome system (UPS) in MOLT4 leukemia cell lines, with a DC50 value of 410 nM. Additionally, CQ627 induces apoptosis in a dose-dependent manner in these cells, blocking the cell cycle at the G2/M phase, and exhibits antiproliferative activity across various cancer cell lines. It also demonstrates in vivo anticancer activity in MOLT4 xenograft mouse models.
Targets(IC50)	Apoptosis, Molecular Glues, Serine/threonin kinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4334 mL	7.167 mL	14.334 mL
5 mM	0.2867 mL	1.4334 mL	2.8668 mL
10 mM	0.1433 mL	0.7167 mL	1.4334 mL
50 mM	0.0287 mL	0.1433 mL	0.2867 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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