

CXCR4-IN-2

Chemical Properties

CAS No. :

Formula: C₂₁H₂₀F₆N₄S

Molecular Weight: 474.47

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	CXCR4-IN-2 (compound A1), a potent bifunctional fluorinated small molecule, inhibits CXCR4 and exhibits anticancer properties by exerting cytotoxicity (IC 50: 60 µg/mL; 72 h) and antiproliferative effects on mouse colorectal cancer (CRC) cells. It induces G2/M phase cell cycle arrest and apoptosis [1].
Targets(IC50)	Apoptosis,CXCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1076 mL	10.5381 mL	21.0761 mL
5 mM	0.4215 mL	2.1076 mL	4.2152 mL
10 mM	0.2108 mL	1.0538 mL	2.1076 mL
50 mM	0.0422 mL	0.2108 mL	0.4215 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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