

Scr-IN-1

Chemical Properties

CAS No. :

Formula: C₂₆H₁₆ClF₃N₂O₃

Molecular Weight: 496.87

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	Scr-IN-1 (Compound 4e) is a tyrosine kinase inhibitor demonstrating inhibitory activity against HCT-116 and MIA-PaCa-2 cells, with IC ₅₀ values of 0.16 μM and 1.16 μM, respectively. It shows selectivity towards HCT-116 cells and MIA-PaCa-2 cells, with a selectivity index (SI) greater than 625 and 86. Scr-IN-1 induces apoptosis in HCT-116 colon cancer cells without altering the proportion of necrotic cells and is a potential novel SRC kinase inhibitor for HCT-116 cells. This compound is suitable for cancer research.
Targets(IC ₅₀)	Apoptosis,Src

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0126 mL	10.063 mL	20.126 mL
5 mM	0.4025 mL	2.0126 mL	4.0252 mL
10 mM	0.2013 mL	1.0063 mL	2.0126 mL
50 mM	0.0403 mL	0.2013 mL	0.4025 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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