

K20

Chemical Properties

CAS No. :

Formula: C₂₄H₂₀Cl₂F₄N₄O₂

Molecular Weight: 543.34

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	K20 is a potent and selective inhibitor of KRas G12C (IC ₅₀ : 1.16 nM). In H358 cells, K20 demonstrates an anticancer effect with an IC ₅₀ value of 0.78 μM and inhibits the growth of NCI-H358 tumor cells (TGI: 41%) without significant toxicity. K20 reduces the phosphorylation level of Erk, leading to apoptosis.
Targets(IC ₅₀)	Apoptosis,ERK,Others,Ras,Kras

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8405 mL	9.2023 mL	18.4047 mL
5 mM	0.3681 mL	1.8405 mL	3.6809 mL
10 mM	0.184 mL	0.9202 mL	1.8405 mL
50 mM	0.0368 mL	0.184 mL	0.3681 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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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481