

CA IX/VEGFR-2-IN-3

Chemical Properties

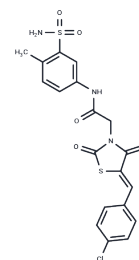
CAS No. :

Formula: C₁₉H₁₆ClN₃O₅S₂

Molecular Weight: 465.93

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	CAIX/VEGFR-2-IN-3 (Compound 6i) is an inhibitor of Carbonic Anhydrase IX and VEGFR-2, with IC ₅₀ values of 41 and 48 nM, respectively. It exhibits anticancer activity by inhibiting the growth of MCF-7 breast cancer cells (IC ₅₀ of 22.33 μM) and mouse fibroblast cell line 3T3, where cell viability is reduced to below 40% at a concentration of 100 μM. This compound is applicable for research in the field of cancer treatment.
Targets(IC ₅₀)	Carbonic Anhydrase, VEGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1462 mL	10.7312 mL	21.4625 mL
5 mM	0.4292 mL	2.1462 mL	4.2925 mL
10 mM	0.2146 mL	1.0731 mL	2.1462 mL
50 mM	0.0429 mL	0.2146 mL	0.4292 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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