

hCA/VEGFR-2-IN-1

Chemical Properties

CAS No. :

Formula: C₂₁H₁₇FN₆O₃S

Molecular Weight: 452.46

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	hCA/VEGFR-2-IN-1 (compound 13a) is a potent dual inhibitor targeting both Carbonic Anhydrase (CA) IX/XII and Vascular Endothelial Growth Factor Receptor 2 (VEGFR-2), exhibiting Ki values of 4.7 nM for hCA XII and 8.3 nM for hCA IX, alongside an IC ₅₀ of 26.3 nM for VEGFR-2, and demonstrating anticancer activity [1].
Targets(IC ₅₀)	Carbonic Anhydrase, VEGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2101 mL	11.0507 mL	22.1014 mL
5 mM	0.442 mL	2.2101 mL	4.4203 mL
10 mM	0.221 mL	1.1051 mL	2.2101 mL
50 mM	0.0442 mL	0.221 mL	0.442 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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