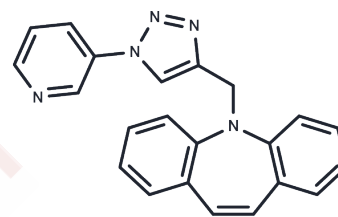


hCA I-IN-4

Chemical Properties

CAS No. : 3054159-56-4
 Formula: C₂₂H₁₇N₅
 Molecular Weight: 351.4
 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 I-IN-4 (Compound 14) is an inhibitor of carbonic anhydrase and cholinesterase, effectively inhibiting hCA I, hCA II, AChE, and BChE with K_i values of 29.94 nM, 17.72 nM, 21.21 nM, and 7.65 nM, respectively. It also demonstrates cytotoxicity in BT-549 cells, with an IC_{50} of 16.59 μ M.
Targets(IC_{50})	Carbonic Anhydrase, Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8458 mL	14.2288 mL	28.4576 mL
5 mM	0.5692 mL	2.8458 mL	5.6915 mL
10 mM	0.2846 mL	1.4229 mL	2.8458 mL
50 mM	0.0569 mL	0.2846 mL	0.5692 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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