

hCAI/II-IN-5

Chemical Properties

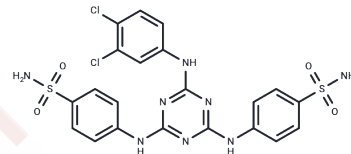
CAS No. : 2428389-67-5

Formula: C₂₁H₁₈Cl₂N₈O₄S₂

Molecular Weight: 581.45

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	hCAI/II-IN-5 is a potent inhibitor of hCA I and hCA II (human carbonic anhydrase isozymes I and II), with IC ₅₀ values of 37.88 and 45.23 nM, respectively. hCAI/II-IN-5 also inhibits α-Glycosidase (IC ₅₀ : 48.98 nM) and AChE (IC ₅₀ : 420.14 nM). hCAI/II-IN-5 can be used in the study of diabetes, heart failure, Alzheimer's disease, ulcers, epilepsy and many other diseases.
Targets(IC ₅₀)	Others,Carbonic Anhydrase,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7198 mL	8.5992 mL	17.1984 mL
5 mM	0.344 mL	1.7198 mL	3.4397 mL
10 mM	0.172 mL	0.8599 mL	1.7198 mL
50 mM	0.0344 mL	0.172 mL	0.344 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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