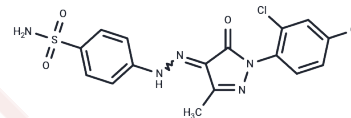


hCAIX/XII-IN-8

Chemical Properties

CAS No. : 59994-64-8
 Formula: C₁₆H₁₃Cl₂N₅O₃S
 Molecular Weight: 426.28
 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	hCAIX/XII-IN-8 (compound 3g) is a potent inhibitor of the human carbonic anhydrases (CAs) IX and XII, with inhibition constants (K _i) of 8.5 nM for CA IX and 6.7 nM for CA XII. It demonstrates significant inhibitory efficacy particularly against tumor-associated, membrane-bound isoforms hCA IX and XII, while exhibiting high selectivity over the cytosolic isoforms hCA I and II [1].
Targets(IC50)	Carbonic Anhydrase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3459 mL	11.7294 mL	23.4588 mL
5 mM	0.4692 mL	2.3459 mL	4.6918 mL
10 mM	0.2346 mL	1.1729 mL	2.3459 mL
50 mM	0.0469 mL	0.2346 mL	0.4692 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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