

Carbonic anhydrase inhibitor 5

Chemical Properties

CAS No. :

Formula: C₂₄H₂₀ClN₃O₃S

Molecular Weight: 465.95

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	Carbonic anhydrase inhibitor 5 is a potent and selective inhibitor of human carbonic anhydrase (hCA), targeting hCA II (IC ₅₀ : 42.9 nM), hCA IX (IC ₅₀ : 47.6 nM), and hCA XII (IC ₅₀ : 6.7 nM).
Targets(IC ₅₀)	Others,Carbonic Anhydrase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1462 mL	10.7308 mL	21.4615 mL
5 mM	0.4292 mL	2.1462 mL	4.2923 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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