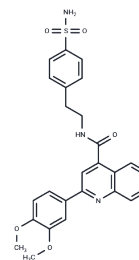


Carbonic anhydrase inhibitor 6

Chemical Properties

CAS No. :	1013213-84-7
Formula:	C ₂₆ H ₂₅ N ₃ O ₅ S
Molecular Weight:	491.56
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Carbonic anhydrase inhibitor 6 is a potent human carbonic anhydrase (hCA) inhibitor that inhibits hCA IX, hCA II, hCA XII, and hCA I. It is used in the study of diseases caused by abnormalities in carbonic anhydrase.
Targets(IC50)	Carbonic Anhydrase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0343 mL	10.1717 mL	20.3434 mL
5 mM	0.4069 mL	2.0343 mL	4.0687 mL
10 mM	0.2034 mL	1.0172 mL	2.0343 mL
50 mM	0.0407 mL	0.2034 mL	0.4069 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.

Reference

Swain B, et al. Exploration of 2-phenylquinoline-4-carboxamide linked benzene sulfonamide derivatives as isoform selective inhibitors of transmembrane human carbonic anhydrases. Eur J Med Chem. 2022 Apr 15;234: 114247.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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