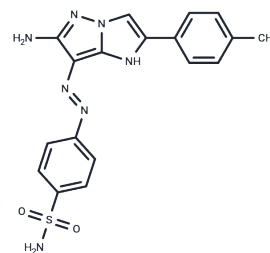


Carbonic anhydrase inhibitor 14

Chemical Properties

CAS No. :	2410402-75-2
Formula:	C ₁₈ H ₁₇ N ₇ O ₂ S
Molecular Weight:	395.44
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 14 (Compound 8b) is a potent CA inhibitor, exhibiting K _i values of 1203, 99.7, 9.4, and 27.7 nM against hCA I, hCA II, hCA IX, and hCA XII, respectively. Additionally, it effectively inhibits CDK2 with an IC ₅₀ of 20.3 μM and demonstrates significant antitumor activity [1].
Targets(IC50)	Others,CDK,Carbonic Anhydrase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5288 mL	12.6441 mL	25.2883 mL
5 mM	0.5058 mL	2.5288 mL	5.0577 mL
10 mM	0.2529 mL	1.2644 mL	2.5288 mL
50 mM	0.0506 mL	0.2529 mL	0.5058 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481