

Carbonic anhydrase inhibitor 28

Chemical Properties

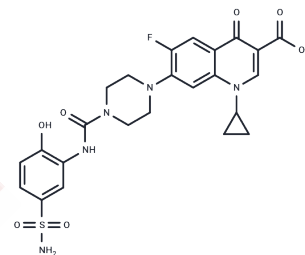
CAS No. :

Formula: C₂₄H₂₄FN₅O₇S

Molecular Weight: 545.54

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 inhibitor28 (Compound 11) serves as an inhibitor for the Pseudomonas aeruginosa carbonic anhydrase. It exhibits antibacterial activity, with minimum inhibitory concentration (MIC) and minimum bactericidal concentration (MBC) values of 0.5 and 1 µg/mL, respectively, against P. aeruginosa. Carbonic anhydrase inhibitor28 is utilized in research focused on anti-infection applications.
Targets(IC50)	Antibacterial,Antibiotic,Carbonic Anhydrase,Dehydrogenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.833 mL	9.1652 mL	18.3305 mL
5 mM	0.3666 mL	1.833 mL	3.6661 mL
10 mM	0.1833 mL	0.9165 mL	1.833 mL
50 mM	0.0367 mL	0.1833 mL	0.3666 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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