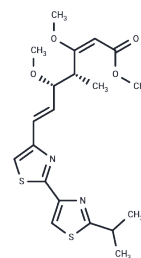


Cystothiazole A

Chemical Properties

CAS No. :	207399-36-8
Formula:	C ₂₀ H ₂₆ N ₂ O ₄ S ₂
Molecular Weight:	422.561
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	Cystothiazole A exhibits antifungal properties, effectively inhibiting <i>Candida albicans</i> , <i>Saccharomyces cerevisiae</i> , and <i>Aspergillus fumigatus</i> with minimum inhibitory concentrations (MIC) of 0.4 µg/mL, 0.1 µg/mL, and 1.6 µg/mL, respectively. It also demonstrates inhibitory activity against human tumor cells such as HPT-116 and K562, with MIC values of 130 ng/mL and 110 ng/mL. However, it shows no antibacterial activity.
Targets(IC50)	Antibiotic, Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3665 mL	11.8326 mL	23.6653 mL
5 mM	0.4733 mL	2.3665 mL	4.7331 mL
10 mM	0.2367 mL	1.1833 mL	2.3665 mL
50 mM	0.0473 mL	0.2367 mL	0.4733 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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