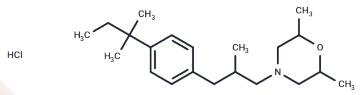
Data Sheet (Cat.No.T8812)

TargetMol

Amorolfine HCL

Chemical Properties



CAS No. : 106614-68-0

Formula: C21H36ClNO

Molecular Weight: 353.97

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	Amorolfine HCL is an antifungal reagent. It exerts the antifungal activity by selectively interrupting two steps in the pathway of ergosterol synthesis and eventually disrupting the function and structure of fungal cell membrane. Amorolfine, a morpholine antifungal drug, can inhibit D14 reductase and D7-D8 isomerase. These enzymes can deplete ergosterol and cause ignosterol to accumulate in the fungal cytoplasmic cell membranes.
Targets(IC50)	Antibiotic,Antifungal

Solubility Information

Solubility	H2O: 3.33 mg/mL (9.41 mM),Sonication is recommended. DMSO: 12.5 mg/mL (35.31 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8251 mL	14.1255 mL	28.251 mL
5 mM	0.565 mL	2.8251 mL	5.6502 mL
10 mM	0.2825 mL	1.4125 mL	2.8251 mL
50 mM	0.0565 mL	0.2825 mL	0.565 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

Espinel-Ingroff A, et al. Antimicrob Agents ChemOthers. 1984 Jul; 26(1):5-9.
Polak, A., Preclinical data and mode of action of amorolfine. Dermatology, 1992. 184 Suppl 1: p. 3-7.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481