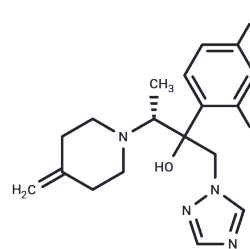


Efinaconazole

Chemical Properties

CAS No. :	164650-44-6
Formula:	C ₁₈ H ₂₂ F ₂ N ₄ O
Molecular Weight:	348.39
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	Efinaconazole (KP-103)(KP-103) is an Azole Antifungal currently under development as a topical treatment for onychomycosis.
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: 45 mg/mL (129.17 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.74 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8703 mL	14.3517 mL	28.7035 mL
5 mM	0.5741 mL	2.8703 mL	5.7407 mL
10 mM	0.287 mL	1.4352 mL	2.8703 mL
50 mM	0.0574 mL	0.287 mL	0.5741 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

Tatsumi Y, et al. Antimicrob Agents ChemOthers. 2013 May;57(5):2405-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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