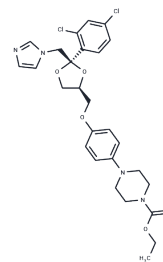


Elubiol

Chemical Properties

CAS No. :	67914-69-6
Formula:	C ₂₇ H ₃₀ Cl ₂ N ₄ O ₅
Molecular Weight:	561.46
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	Elubiol (dichlorophenyl imidazoldioxolan) is a new broad-spectrum antifungal product of imidazole, which can inhibit the biosynthesis of fungal ergosterol and change the composition of other lipid compounds in the cell membrane. Elubiol is used for skin and hair care in subjects with oily skin or dandruff.
Targets(IC50)	Others,Antibacterial,Antifungal

Solubility Information

Solubility	DMSO: 7 mg/mL (12.47 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7811 mL	8.9054 mL	17.8107 mL
5 mM	0.3562 mL	1.7811 mL	3.5621 mL
10 mM	0.1781 mL	0.8905 mL	1.7811 mL
50 mM	0.0356 mL	0.1781 mL	0.3562 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

Piérard GE, Ries G, Cauwenbergh G. New insight into the topical management of excessive sebum flow at the skin surface. *Dermatology*. 1998;196(1):126-9.

Pierard GE, Cauwenbergh G. Modulation of sebum excretion from the follicular reservoir by a dichlorophenyl-imidazoldioxolan. *Int J Cosmet Sci*. 1996 Oct;18(5):219-27.

Hoffmann S, et al. A feasibility study developing an integrated testing strategy assessing skin irritation potential of chemicals. *Toxicol Lett*. 2008 Jul 30;180(1):9-20.

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