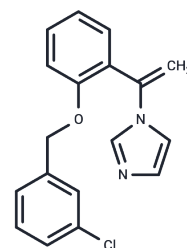


Croconazole

Chemical Properties

CAS No. :	77175-51-0
Formula:	C ₁₈ H ₁₅ ClN ₂ O
Molecular Weight:	310.78
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	Croconazole exhibited dose-dependent inhibitory activity on the 5-lipoxygenase (5-LOX) of neutrophils. Croconazole is an antimycotic agent. The IC ₅₀ s for the synthesis of leukotriene B ₄ (LTB ₄) and 5-hydroxyeicosatetraenoic acid (5-HETE) is 7.8 +/- 1.7 and
Targets(IC ₅₀)	Others,LTR,Antifungal,Lipoxygenase

Solubility Information

Solubility	Acetonitrile: 1.55 mg/mL (4.99 mM),Sonication is recommended. Methanol: 1.55 mg/mL (4.99 mM),Sonication is recommended. DMSO: 50 mg/mL (160.89 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	3.2177 mL	16.0886 mL	32.1771 mL
5 mM	0.6435 mL	3.2177 mL	6.4354 mL
10 mM	0.3218 mL	1.6089 mL	3.2177 mL
50 mM	0.0644 mL	0.3218 mL	0.6435 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

Lehmann B, et al. Croconazole: an inhibitor of eicosanoid synthesis in A23187-stimulated human polymorphonuclear leukocytes and human whole blood. *Skin Pharmacol.* 1995;8(6):326-33.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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