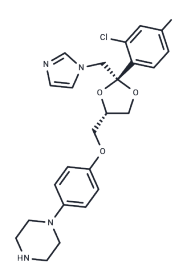


Deacyl ketoconazole

Chemical Properties

CAS No. :	67914-61-8
Formula:	C ₂₄ H ₂₆ Cl ₂ N ₄ O ₃
Molecular Weight:	489.39
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	Deacyl ketoconazole (Deacyl ketoconazole) is a Ketoconazole derivative and is also an antifungal agent. Deacyl ketoconazole was 15- to 50-fold more active against Plasmodium falciparum than was ketoconazole.
Targets(IC50)	Antibacterial, Antifungal

Solubility Information

Solubility	DMSO: 10 mg/mL (20.43 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	2.0434 mL	10.2168 mL	20.4336 mL
5 mM	0.4087 mL	2.0434 mL	4.0867 mL
10 mM	0.2043 mL	1.0217 mL	2.0434 mL
50 mM	0.0409 mL	0.2043 mL	0.4087 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

Fukami T, et al. Human arylacetamide deacetylase hydrolyzes ketoconazole to trigger hepatocellular toxicity. *Biochem Pharmacol.* 2016 Sep 15;116:153-61.

Wewering F, et al. Characterization of chemical-induced sterile inflammation in vitro: application of the model compound ketoconazole in a human hepatic co-culture system. *Arch Toxicol.* 2017 Feb;91(2):799-810.

Rodriguez RJ, Miranda CL. Isoform specificity of N-deacetyl ketoconazole by human and rabbit flavin-containing monooxygenases. *Drug Metab Dispos.* 2000 Sep;28(9):1083-6.

Rodriguez RJ, et al. Flavin-containing monooxygenase-mediated metabolism of N-deacetyl ketoconazole by rat hepatic microsomes. *Drug Metab Dispos.* 1999 Aug;27(8):880-6.

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