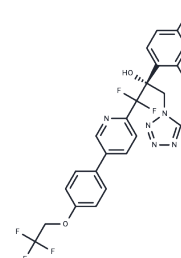


Oteseconazole

Chemical Properties

CAS No. :	1340593-59-0
Formula:	C ₂₃ H ₁₆ F ₇ N ₅ O ₂
Molecular Weight:	527.39
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Oteseconazole (VT-1161) is an orally active anti-fungal agent. Oteseconazole displays no obvious effect on human CYP51. It also potently binds to and inhibits <i>Candida albicans</i> CYP51 (K _d , <39 nM).
Targets(IC50)	Antifungal, Cytochromes P450

Solubility Information

Solubility	DMSO: 250 mg/mL (474.03 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: 5 mg/mL (9.48 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	1.8961 mL	9.4806 mL	18.9613 mL
5 mM	0.3792 mL	1.8961 mL	3.7923 mL
10 mM	0.1896 mL	0.9481 mL	1.8961 mL
50 mM	0.0379 mL	0.1896 mL	0.3792 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

Warrilow AG, et al. The clinical candidate VT-1161 is a highly potent inhibitor of *Candida albicans* CYP51 but fails to bind the human enzyme. *Antimicrob Agents Chemother.* 2014 Dec;58(12):7121-7.

Maione A, Mileo A, Pugliese S, et al. VT-1161—A Tetrazole for Management of Mono- and Dual-Species Biofilms. *Microorganisms.* 2023, 11(2): 237.

Garvey EP, et al. VT-1161 dosed once daily or once weekly exhibits potent efficacy in treatment of dermatophytosis in a guinea pig model. *Antimicrob Agents Chemother.* 2015 Apr;59(4):1992-7.

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