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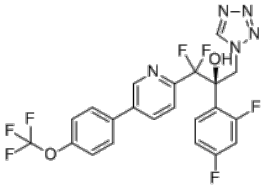
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Quilseconazole
Cat. No.	:	PC-60051
CAS No.	:	1340593-70-5
Molecular Formula	:	$C_{22}H_{14}F_7N_5O_2$
Molecular Weight	:	513.376
Target	:	Fungal
Solubility	:	10 mM in DMSO



Biological Activity

Quilseconazole (VT-1129) is a selective, orally available **fungal CYP51** (lanosterol 14-α-demethylase) inhibitor.
Quilseconazole displays greater selectivity for fungal enzyme than for mammalian CYP450 compared to the approved azole class of antifungal drugs.
Quilseconazole inhibits C. albicans and T. rubrum with MIC of <0.001 ug/mL, also demonstrated potent activities against Cryptococcusspecies as demonstrated by low MIC50 and MIC90 values.

References

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Lockhart SR, et al. ***Antimicrob Agents Chemother.*** 2016 Mar 25;60(4):2528-31.

Warrilow AG, et al. ***Antimicrob Agents Chemother.*** 2016 Jul 22;60(8):4530-8.

Nielsen K, et al. ***Med Mycol.*** 2017 Jun 1;55(4):453-456.

E-mail: tech@probechem.com