
Product Data Sheet

Product Name: Quilseconazole

Cat. No.: GC37061

Chemical Properties

Cas. No. 1340593-70-5

SMILES O[C@@](CN1C=NN=N1)(C(C=CC(F)=C2)=C2F)C(F)(C3=CC=C(C4=CC=C(OC(F)(F)F)C=C4)C=N3)FFormula C₂₂H₁₄F₇N₅O₂

M.Wt 513.37

Solubility DMSO : 100 mg/mL (194.79 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Quilseconazole (VT-1129) is a potent, orally active fungal Cyp51 (lanosterol 14- α -demethylase) inhibitor, binds tightly to cryptococcal CYP51, but weakly inhibits humans CYP450 enzymes[1]. Fungal, Cyp51[1]

[1]. Lockhart SR, et al. The Investigational Fungal Cyp51 Inhibitor VT-1129 Demonstrates Potent In Vitro Activity against Cryptococcus neoformans and Cryptococcus gattii. Antimicrob Agents Chemother. 2016 Mar 25;60(4):2528-31.

Caution: Product has not been fully validated for medical applications. For research use only.

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