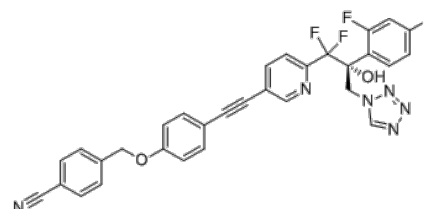


Product Name : VT-1598
Cat. No. : PC-61752
CAS No. : 2089320-99-8
Molecular Formula : C₃₁H₂₀F₄N₆O₂
Molecular Weight : 584.535
Target : Fungal
Solubility : 10 mM in DMSO



Biological Activity

VT-1598 is a potent, high-affinity, oral inhibitor of fungal sterol 14 α -demethylase (**CYP51B**) with K_d of 13 nM. VT-1598 is more selective for fungal CYP51 than related human CYP enzymes such as CYP3A4. VT-1598 exhibits excellent potency against yeast, dermatophyte, and mold fungal pathogens.

References

- Hargrove TY, et al. *Antimicrob Agents Chemother.* 2017 Jun 27;61(7). pii: e00570-17.
- Yates CM, et al. *Bioorg Med Chem Lett.* 2017 Aug 1;27(15):3243-3248.
- Wiederhold NP, et al. *J Antimicrob Chemother.* 2018 Feb 1;73(2):404-408.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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