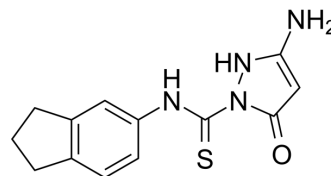


Antifungal agent 72

Cat. No.:	HY-155198
CAS No.:	3032485-62-1
Molecular Formula:	C ₁₃ H ₁₄ N ₄ O ₂ S
Molecular Weight:	274.34
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antifungal agent 72 (Compound B8) is a potent antifungal agent. Antifungal agent 72 suppresses the function of efflux pump and down-regulates the resistance-associated genes through blocking the Pdr1-KIX interaction (K_i : 11.7 μ M). Antifungal agent 72 is active against Fluconazole (HY-B0101)-resistant with a MIC value of 63 ng/mL, and shows synergistic inhibitory activity with Fluconazole. Antifungal agent 72 can be used for <i>C. glabrata</i> infection research ^[1] .
IC ₅₀ & Target	Pdr1-KIX interaction ^[1]

REFERENCES

[1]. Wang Q, et al. Discovery of Pyrazolone Carbothioamide Derivatives as Inhibitors of the Pdr1-KIX Interaction for Combinational Treatment of Azole-Resistant Candidiasis. *J Med Chem.* 2023 Sep 14;66(17):11893-11904.

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

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