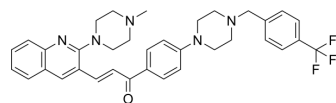


PK-10

Cat. No.:	HY-156090
Molecular Formula:	C ₃₅ H ₃₆ F ₃ N ₅ O
Molecular Weight:	599.69
Target:	Mitochondrial Metabolism; Fungal
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

PK-10 is a synergistic antibacterial agent of Fluconazole (HY-B0101) and has strong antifungal activity against a variety of Fluconazole-resistant *Candida albicans* strains. PK-10 combined with Fluconazole can inhibit hyphae formation and induce the accumulation of reactive oxygen species. It further causes damage to mitochondrial membrane potential, reduces intracellular ATP content, and leads to mitochondrial dysfunction^[1].

REFERENCES

[1]. Sun A, et al. Optimization and antifungal activity of quinoline derivatives linked to chalcone moiety combined with FLC against *Candida albicans*. *Eur J Med Chem*. 2023 Nov 15;260:115782..

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

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