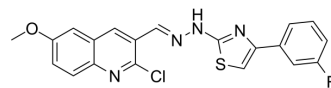


Antibacterial agent 132

Cat. No.:	HY-152250
Molecular Formula:	C ₂₀ H ₁₄ ClFN ₄ OS
Molecular Weight:	412.87
Target:	Bacterial; Cytochrome P450
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antibacterial agent 132 has anticandidal effects against <i>C. parapsilosis</i> (ATCC 22019) and <i>C. krusei</i> (ATCC 6258) with MIC ₉₀ values of <0.06 µg/mL and 62.50 µg/mL, respectively. Antibacterial agent 132 inhibits aromatase enzyme with an IC ₅₀ of 0.047µM ^[1] .
IC ₅₀ & Target	Aromatase
In Vitro	Antibacterial agent 132 (compound 4j) has the cytotoxicity against NIH/3T3 healthy cell line (IC ₅₀ =10 µM) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Asaf Evrim Evren et al. Investigation of Novel Quinoline-Thiazole Derivatives as Antimicrobial Agents: In Vitro and In Silico Approaches. ACS Omega. 2022 Dec 29;8(1):1410-1429.

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

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