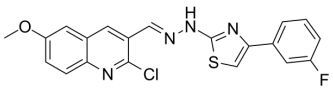
Antibacterial agent 132

Cat. No.:	HY-152250
CAS No.:	3026790-18-8
Molecular Formula:	$C_{20}H_{14}ClFN_4OS$
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 C. parapsilosis (ATCC 22019) and C. krusei (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.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA