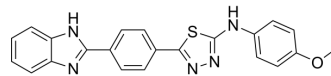


Antibacterial agent 203

Cat. No.:	HY-162418
Molecular Formula:	C ₂₂ H ₁₇ N ₅ OS
Molecular Weight:	399.47
Target:	Bacterial; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Antibacterial agent 203 (Compound 5h) has antibacterial and antifungal activity. Antibacterial agent 203 has potent antifungal activity against *C. albicans*, with a MIC of 3.90 µg/mL. Antibacterial agent 203 has antimicrobial activity on healthy mouse fibroblast cells (L929), with an IC₅₀ of 75.96 µM^[1].

REFERENCES

[1]. Işık A, et al. Synthesis, DFT Calculations, In Silico Studies, and Antimicrobial Evaluation of Benzimidazole-Thiadiazole Derivatives. ACS Omega. 2024 Apr 9;9(16):18469-18479.

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

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