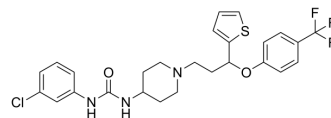


Antibacterial agent 186

Cat. No.:	HY-162261
Molecular Formula:	C ₂₆ H ₂₇ ClF ₃ N ₃ O ₂ S
Molecular Weight:	538.02
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antibacterial agent 186 (compound 25) is a potent antibacterial agent. Antibacterial agent 186 shows antibiofilm-forming properties against clinical <i>Staphylococcus epidermidis</i> strains and demonstrates the capacity to eliminate existing biofilm layers. Antibacterial agent 186 has the potential for the research of multidrug-resistant <i>Staphylococcus epidermidis</i> ^[1] .
In Vitro	Antibacterial agent 186 (compound 25) shows bacteriostatic activity against clinical multidrug-resistant <i>S. epidermidis</i> strains with MIC ₅₀ value of 1.6 µg/mL and MIC ₉₀ value of 3.125 µg/mL ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Vittorio Canale, et al. Improving Activity of New Arylurea Agents against Multidrug-Resistant and Biofilm-Producing *Staphylococcus epidermidis*. ACS Med. Chem. Lett. 2024.

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

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