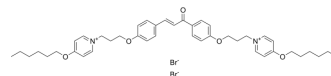


Antibiofilm agent-13

Cat. No.:	HY-168258
Molecular Formula:	C ₄₃ H ₅₆ Br ₂ N ₂ O ₅
Molecular Weight:	840.72
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Antibiofilm agent-13 (compound 14b) is a potent antibacterial agent that displays a broad-spectrum antimicrobial activity. Antibiofilm agent-13 could disintegrate the integrity of bacterial cell membranes by destroying transmembrane potential and enhancing membrane permeability, and causing the generation of intracellular ROS and the leakage of DNA and proteins, ultimately leading to bacterial death. Antibiofilm agent-13 inhibits both Gram-positive bacteria (MIC of 0.5-1 μg/mL) and Gram-negative bacteria (MIC of 1-32 μg/mL)^[1].

REFERENCES

[1]. Siyu Yang, et al. Development of membrane-targeting chalcone derivatives as antibacterial agents against multidrug-resistant bacteria. *Eur J Med Chem.* 2024 Oct 18;280:116969.

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

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