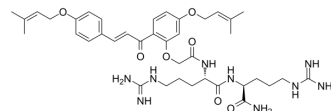


Antibacterial agent 107

Cat. No.:	HY-147546
CAS No.:	2454636-44-1
Molecular Formula:	C ₃₉ H ₅₅ N ₉ O ₇
Molecular Weight:	761.91
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Antibacterial agent 107 (compound 14) is a potent antibacterial agent. Antibacterial agent 107 shows potent antibacterial activity against Gram-positive bacteria, with a MIC of 1.56 µg/mL (MRSA). Antibacterial agent 107 exhibits low hemolytic activity, high membrane selectivity, and rapid bactericidal activity. Antibacterial agent 107 shows effective in vivo efficacy in the murine model of bacterial keratitis caused by *Staphylococcus aureus* ATCC29213^[1].

REFERENCES

[1]. Lin S, et al. Design, synthesis, and evaluation of amphiphilic sofalcone derivatives as potent Gram-positive antibacterial agents. *Eur J Med Chem.* 2020 Sep 15;202:112596.

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