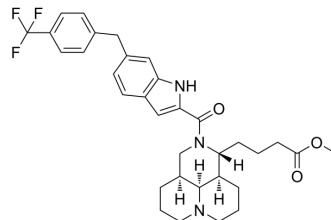


Antibacterial agent 195

Cat. No.:	HY-162329
Molecular Formula:	C ₃₃ H ₃₈ F ₃ N ₃ O ₃
Molecular Weight:	581.67
Target:	Bacterial; Fungal; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Antibacterial agent 195 (compound A20), a Matrine (HY-N0164) derivative, is a potent antibiotic. Antibacterial agent 195 shows antibacterial activity against Gram-positive bacterium (MIC_{S.aureus}=0.021 mg/mL; MIC_{P.acnes}=0.030 mg/mL), Gram-negative bacterium (MIC_{E.coli}=0.092 mg/mL; MIC_{C.albicans}=0.379 mg/mL) and Fungus (MIC=2.806 mg/mL)^[1].

REFERENCES

[1]. Yufang Li, et al. Synthesis, antibacterial activity, and 3D-QASR studies of matrine-indole derivatives as potential antibiotics. *Bioorg Med Chem Lett*. 2024 Feb 21;102:129671.

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