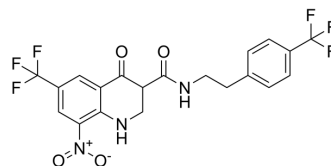


Antimycobacterial agent-6

Cat. No.:	HY-155059
Molecular Formula:	C ₂₀ H ₁₅ F ₆ N ₃ O ₄
Molecular Weight:	475.34
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antimycobacterial agent-6 (compound 25) is a potent inhibitor of Mycobacterium tuberculosis (Mtb) targeting to both wild-type and fluoroquinolone-resistant Mtb strains. Antimycobacterial agent-6 inhibits Mtb DprE1-C387S mutant with MIC ₉₀ s of 0.9 μM (H37Rv) 0.9 μM (MoxR) 0.5 μM (DprE1-P116S) respectively ^[1] .
IC ₅₀ & Target	Wild-type and fluoroquinolone-resistant Mtb ^[1]

REFERENCES

[1]. Dube PS, et al. Quinolone analogues of benzothiazinone: Synthesis, antitubercular structure-activity relationship and ADME profiling. Eur J Med Chem. 2023 Oct 5;258:115539.

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