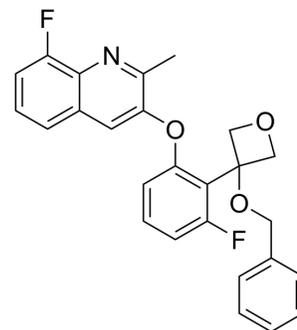


## Antibacterial agent 129

Cat. No.:	HY-152139
CAS No.:	2874263-66-6
Molecular Formula:	C <sub>26</sub> H <sub>21</sub> F <sub>2</sub> NO <sub>3</sub>
Molecular Weight:	433.45
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 129, an oxetanyl-quinoline derivative, has shown good antibacterial activity against *P. mirabilis* and *B. subtilis* with MICs of 31.25  $\mu$ M and 31.5  $\mu$ M and . Antibacterial agent 129 shows good antifungal activity against *A. niger* with a MIC of 31.25  $\mu$ M. Antibacterial agent 129 shows excellent antimycobacterial activity with MIC 57.73  $\mu$ M for *M. tuberculosis* H37Rv<sup>[1]</sup>.

### REFERENCES

[1]. Abhijit Shinde, et al. Synthesis, Characterization, and Antimicrobial Activity Screening of Some Novel 3-(2-(3-(Substituted benzyloxy)oxetan-3-yl)-3-fluorophenoxy)-8-fluoro-2-methylquinoline Derivatives as Potential Antimycobacterial Agents. ACS Omega. 2022 Dec 6;7(50):47096-47107.

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

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