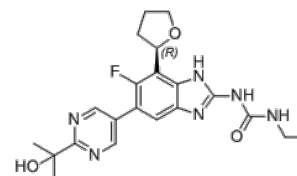


**Product Name** : VXc-486  
**Cat. No.** : PC-35267  
**CAS No.** : 1384984-18-2  
**Molecular Formula** : C<sub>21</sub>H<sub>25</sub>FN<sub>6</sub>O<sub>3</sub>  
**Molecular Weight** : 428.468  
**Target** : Bacterial  
**Solubility** :



## Biological Activity

VXc-486 (VXc486) is a novel inhibitor of gyrase B, potently inhibits multiple drug-sensitive isolates and drug-resistant isolates of *Mycobacterium tuberculosis* in vitro with MICs of 0.03-0.30 µg/ml and 0.08-5.48 µg/ml, respectively; VXc-486 is active against drug-resistant isolates, has bactericidal activity, and kills intracellular and dormant *M. tuberculosis* bacteria in a low-oxygen environment; inhibits the growth of multiple strains of *Mycobacterium abscessus*, *Mycobacterium avium* complex, and *Mycobacterium kansasii* (MICs=0.1-2.0 µg/ml), as well as several strains of *Nocardia* spp. (MICs=0.1-1.0 µg/ml); reduces mycobacterial burdens in lungs of infected mice in vivo, sterilizes *M. tuberculosis* infection when combined with rifapentine-pyrazinamide and bedaquiline-pyrazinamide.

## References

Locher CP, et al. *Antimicrob Agents Chemother.* 2015 Mar;59(3):1455-65.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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