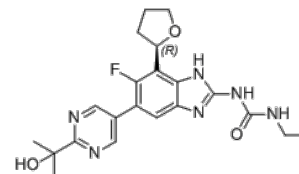


Product Name : VXc-486
Cat. No. : PC-35267
CAS No. : 1384984-18-2
Molecular Formula : C₂₁H₂₅FN₆O₃
Molecular Weight : 428.468
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

VXc-486 (SPR719) 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 (SPR719) is active against drug-resistant isolates, has bactericidal activity, and kills intracellular and dormant M. tuberculosis bacteria in a low-oxygen environment.

VXc-486 (SPR719) 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).

VXc-486 (SPR719) 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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