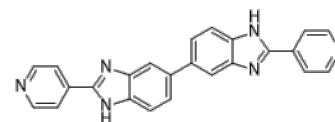


Product Name : Ridinilazole
Cat. No. : PC-22943
CAS No. : 308362-25-6
Molecular Formula : C₂₄H₁₆N₆
Molecular Weight : 388.43
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

Ridinilazole (SMT19969) is a narrow-spectrum, non-absorbable antimicrobial against *Clostridium difficile* with MIC of 0.125 to 0.5 ug/ml, MIC₉₀ of 0.25 ug/mL, including ribotype 027 strains.

Ridinilazole (SMT19969) is more active against *C. difficile* isolates than fidaxomicin (range, 0.06 to 1 µg/ml; MIC₉₀, 0.5 µg/ml) and two to six dilutions lower than either vancomycin or metronidazole.

Ridinilazole (SMT19969) is generally less active against Gram-negative anaerobes, especially the *Bacteroides fragilis* group species, than vancomycin and metronidazole. SMT19969 showed limited activity against other Gram-positive anaerobes, including *Bifidobacteria* species, *Eggerthella lenta*, *Fingoldia magna*, and *Peptostreptococcus anaerobius*, with MIC₉₀s of >512, >512, 64, and 64 µg/ml, respectively.

References

Sattar A, et al. *J Antimicrob Chemother.* 2015;70(6):1757-62.

Corbett D, et al. *J Antimicrob Chemother.* 2015;70(6):1751-6.

Goldstein EJ, et al. *Antimicrob Agents Chemother.* 2013 Oct;57(10):4872-6.

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

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