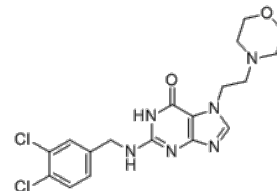


Product Name : Ibezapolstat
Cat. No. : PC-38361
CAS No. : 1275582-97-2
Molecular Formula : C₁₈H₂₀Cl₂N₆O₂
Molecular Weight : 423.298
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

Ibezapolstat (ACX-362E) is a potent, selective, first-in-class DNA polymerase III (DNA pol III) inhibitor with IC₅₀ of 51 nM (B. Subtilis pol III), inhibits C. difficile efficiently (MIC₅₀, 2 ug/mL).

ACX-362E is a potent inhibitor of diverse clinical isolates of C. difficile with MIC₅₀ of 2 ug/ml and MIC₉₀ of 4 ug/ml.

ACX-362E shows preferential activity against C. difficile PolC over those of other organisms in vitro.

ACX-362E demonstrated therapeutic potential for the oral treatment of Clostridioides difficile infection (CDI).

References

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

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