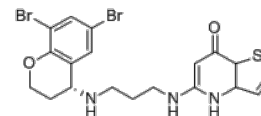


Product Name : CRS3123
Cat. No. : PC-61436
CAS No. : 1013915-71-3
Molecular Formula : C₁₉H₂₁Br₂N₃O₂S
Molecular Weight : 515.264
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

CRS3123 (REP 3123) is a novel diaryldiamine that inhibits bacterial methionyl-tRNA synthetases (**MetRS**) in Gram-positive bacteria as a novel agent to treat Clostridium difficile infection (CDI).

CRS3123 inhibits de novo toxin production in high cell density, stationary phase cultures of C. difficile at 1 mg/L.

CRS3123 demonstrates efficacy in the hamster model of CDI and is superior to vancomycin 0.5 mg/kg in CDI model.

References

Citron DM, et al. *J Antimicrob Chemother.* 2009 May;63(5):972-6.

Ochsner UA, et al. *J Antimicrob Chemother.* 2009 May;63(5):964-71.

Critchley IA, et al. *J Antimicrob Chemother.* 2009 May;63(5):954-63.

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

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