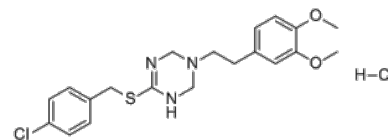


Product Name : MAC13243
Cat. No. : PC-20585
CAS No. : 1071638-38-4
Molecular Formula : C₂₀H₂₅Cl₂N₃O₂S
Molecular Weight : 442.40
Target : Bacterial
Solubility : 10 mM in DMSO



CAS: 1071638-38-4

Biological Activity

MAC13243 is a small molecule inhibitor of the bacterial lipoprotein targeting chaperone LolA (K_d=7.5 μM), exhibits potent Gram-negative antibacterial activity with MIC value of 4 μg/mL (*Pseudomonas aeruginosa* PA01).

MAC13243 inhibits the function of the LolA protein and represents a new chemical probe of lipoprotein targeting in bacteria with promise as an antibacterial lead with Gram-negative selectivity.

MAC13243 exhibits promising activity against multidrug-resistant *Pseudomonas aeruginosa*.

References

Pathania R, et al. Nat Chem Biol. 2009 Nov;5(11):849-56.

Barker CA, et al. Bioorg Med Chem Lett. 2013 Apr 15;23(8):2426-31.

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

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