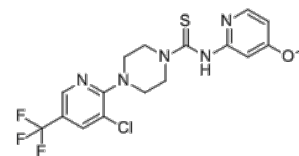


Product Name : ML267
Cat. No. : PC-38041
CAS No. : 1542213-67-1
Molecular Formula : C₁₇H₁₇ClF₃N₅OS
Molecular Weight : 431.862
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

ML267 (ML 267) is a potent, small-molecule inhibitor of bacterial phosphopantetheinyl transferase **Sfp-PPTase** with IC₅₀ of 0.29 μM.

ML267 displays no activity toward the human orthologue (hPPTase).

ML267 attenuates production of an Sfp-PPTase-dependent metabolite when applied to *Bacillus subtilis* at sublethal doses.

ML267 demonstrates antibacterial activity against methicillin-resistant *Staphylococcus aureus*, *B. subtilis* (HM489, IC₅₀=9.3 μM) and chemical genetic studies implicated efflux as a mechanism for resistance in *Escherichia coli*.

References

Foley TL, et al. *J Med Chem.* 2014 Feb 13;57(3):1063-78.

Konno S, et al. *Chembiochem.* 2017 Sep 19;18(18):1855-1862.

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

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