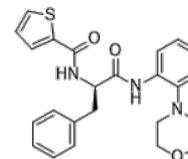


Product Name : MMV688845
Cat. No. : PC-26172
CAS No. : 2208962-35-8
Molecular Formula : C₂₄H₂₅N₃O₃S
Molecular Weight : 435.54
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

MMV688845 ((R)-GSK1729177A) is a small molecule inhibitor of *M. abscessus* complex with MIC₉₀ of 5-10 μM for various *M. abscessus* strains in vitro, targets the RpoB subunit of RNA polymerase, also shows anti-*M. tuberculosis*.

MMV688845 is active against intracellular *M. abscessus* with an MIC₉₀ of 16 μM.

MMV688845 induces significant reduction of colony forming units of *M. abscessus* strain ATCC 19977 with MBC₉₀ of 15 μM.

MMV688845 exhibits bactericidal activity in a macrophage infection model.

References

Mann L, et al. *Amino Acids*. 2021 Aug;53(8):1187-1196.

Jeong J, et al. *PLoS One*. 2018 Apr 26;13(4):e0195595.

Mann L, et al. *Microbiol Spectr*. 2022 Dec 21;10(6):e0276022.

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

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