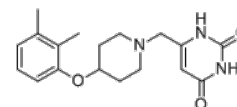


Product Name : GSK2556286
Cat. No. : PC-38633
CAS No. : 1210456-20-4
Molecular Formula : C₁₈H₂₃N₃O₃
Molecular Weight : 329.400
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

GSK2556286 (GSK286) is a novel inhibitor of **M. tuberculosis** extracellularly in the presence of cholesterol and within human macrophages, inhibits growth within human macrophages with IC₅₀ of 70 nM (H37Rv in THP-1 cells).

GSK2556286 (GSK286) exhibits no cross-resistance with known antitubercular drugs.

GSK2556286 (GSK286) shows efficacy in different mouse models of tuberculosis (TB) and has an adequate safety profile in preclinical species.

GSK2556286 (GSK286) is effective against both multidrug or extensively-resistant (M/XDR) and drug-sensitive (DS) M. tuberculosis with the potential to shorten the duration of treatment in novel combination drug regimens.

References

Eric L. Nuermberger, et al. GSK2556286 is a novel antitubercular drug candidate effective in vivo with the potential to shorten tuberculosis treatment. bioRxiv preprint doi: <https://doi.org/10.1101/2022.02.04.479214>

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

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