
GSK1733953A

产品编号: D55380

CAS: 930470-97-6

分子式: C₂₁H₁₇ClFNO₃

纯度: 99.45%

InChi Key: InChIKey=RWSCJEILSRMTEH-UHFFFAOYSA-N

Smiles: O=C(NC1=CC=C(OC)C(=C1)C=2C=CC(OC)=CC2)C3=CC=C(F)C=C3Cl

外观: 固体粉末

作用通路: Microbiology/virology

作用靶点: Antibacterial

溶解性: DMSO: 80 mg/mL (207.35 mM, Need ultrasonic)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: GSK1733953A can be used as a small molecule Mycobacterium tuberculosis respiration inhibitor with an inhibitory effect on MenG activity and an IC₅₀ value of 2.6 ± 0.6 μM. GSK1733953A is a selective biphenylbenzamide with an inhibitory effect on the catalytic methylation of the Mycobacterium tuberculosis desmethylnaphthoquinone methyltransferase, and the MIC of GSK1733953A against Mycobacterium tuberculosis H4Rv was 8.37 μg/ml. MIC of 8.37 μg/ml and MIC of 1.2 to 9.6 μg/ml against drug-resistant strains. GSK1733953A is a candidate compound for the treatment of tuberculosis.