
GSK2879552

产品编号: D50954

CAS: 1902123-72-1

分子式: C₂₃H₃₀Cl₂N₂O₂

纯度: ≥98%

InChi: InChI=1S/C₂₃H₂₈N₂O₂.2ClH/c26-23(27)20-8-6-18(7-9-20)16-25-12-10-17(11-13-25)15-24-22-14-21(22)19-4-2-1-3-5-19;;/h1-9,17,21-22,24H,10-16H₂, (H,26,27);2*1H/t21-,22+;;/m0../s1

InChi Key: QEKGSBZKRLHQSZ-VSIGASKDSA-N

Smiles: Cl.Cl.OC(=O)C1=CC=C(CN2CCC(CN[C@@H]3C[C@H]3C3C=CC=CC=3)CC2)C=C1

外观: 固体粉末

作用通路: Histone Demethylase

溶解性: DMSO up to 50 mM; Water up to 50 mM

保存条件: Store in dry, dark place for one year.

产品介绍: GSK2879552 is a highly potent, selective and orally bioavailable irreversible inhibitor of Lysine Specific Demethylase 1 (LSD1). It is highly selective over related enzymes such as MAO-A/B. A proliferation screen of cell lines representing a number of tumor types indicated that small cell lung carcinoma (SCLC) is sensitive to GSK2879552's inhibition. It increases H3K4 methylation selectively at genomic regions bound by LSD1. It demonstrates efficacy in preclinical models of SCLC. Currently GSK2879552 is in phase I clinical trials targeting Acute Myeloid Leukemia (AML) and Relapsed/Refractory Small Cell Lung Carcinoma.