
Samuraciclib hydrochloride

产品编号: D56924

CAS: 1805789-54-1

分子式: C₂₂H₃₁ClN₆O

纯度: 99.57%

InChi Key: InChiKey=YMNPLAHCOLEZJE-ZFNKBKEPSA-N

Smiles: CC(C)C1=C2N=C(C=C(N2N=C1)NCC3=CC=CC=C3)NC[C@H]4CCNC[C@@H]4O.Cl

外观: 固体粉末

作用通路: Apoptosis; Cell Cycle/Checkpoint

作用靶点: Apoptosis; CDK

溶解性: H₂O:55 mg/mL (127.62 mM; Need ultrasonic); DMSO:25 mg/mL (58.01 mM; Need ultrasonic)

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

产品介绍: Samuraciclib hydrochloride is a potent, selective, ATP competitive and oral active CDK7 inhibitor with IC₅₀ of 41 nM. The selectivity of Samuraciclib hydrochloride is 45-, 15-, 230- and 30-fold higher than CDK1, CDK2 (IC₅₀ is 578 nM), CDK5 and CDK9 respectively. Samuraciclib hydrochloride inhibits the growth of breast cancer cell lines with GI₅₀ values between 0.2-0.3 μM. Samuraciclib hydrochloride has anti-tumor effects.