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HG-10-102-01

产品编号: D50738

CAS: 1351758-81-0

分子式: C17H20ClN5O3

纯度: ≥98%

InChi: InChI=1S/C17H20ClN5O3/c1-19-15-12(18)10-20-17(22-15)21-13-4-3-11(9-14(13)25-2)16(24)23-5-7-26-8-6-23/h3-4,9-10H,5-8H2,1-2H3,(H2,19,20,21,22)

InChi Key: YEVOZZZLKJKCCD-UHFFFAOYSA-N

Smiles: COC1C=C(C=CC=1NC1N=C(NC)C(Cl)=CN=1)C(=O)N1CCOCC1

外观: 固体粉末

作用通路: LRRK2

溶解性: DMSO up to 100 mM

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

产品介绍: HG-10-102-01 is a brain penetrant, potent and selective inhibitor of wild-type LRRK2 and the G2019S mutant (IC50 for LRRK2-wild-type ~20.3 nM and LRRK2-[G2019S] ~3.2 nM). It significantly inhibits Ser910 and Ser935 phosphorylation of both wild-type LRRK2 and G2019S mutant at a concentration of 0.1~0.3 μM in cells. HG-10-102-01 is the first compound reported to be capable of inhibiting Ser910 and Ser935 phosphorylation in mouse brain following intraperitoneal delivery of doses as low as 50 mg/kg. It may represent a good lead compound for a subset of Parkinson's disease.