
SHP099 xHCl

产品编号: D50974

CAS: 1801747-11-4

分子式: C₁₆H₁₉Cl₂N₅

纯度: ≥98%

InChi: InChI=1S/C₁₆H₁₉Cl₂N₅/c1-16(20)5-7-23(8-6-16)12-9-21-14(15(19)22-12)10-3-2-4-11(17)13(10)
)18/h2-4,9H,5-8,20H₂,1H₃, (H₂,19,22)

InChi Key: YGUFCDOEKKVKJK-UHFFFAOYSA-N

Smiles: CC1(N)CCN(CC1)C1=CN=C(C2=CC=CC(Cl)=C2Cl)C(N)=N1

外观: 固体粉末

溶解性: DMSO up to 100 mM

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

产品介绍: SHP099 is a potent, selective, orally bioavailable, and efficacious SHP2 inhibitor with IC₅₀ = 0.07 μM and p-ERK modulation in cells IC₅₀ = 0.250 μM. SHP099 exhibits dose-dependent pathway inhibition and antitumor activity in xenograft models. SHP2 is a nonreceptor protein tyrosine phosphatase (PTP) encoded by the PTPN11 gene involved in cell growth and differentiation via the MAPK signaling pathway. SHP2 also purportedly plays an important role in the programmed cell death pathway (PD-1/PD-L1). Because it is an oncoprotein associated with multiple cancer-related diseases, as well as a potential immunomodulator, controlling SHP2 activity is of significant therapeutic interest.