
AT13148

产品编号: D51415

CAS: 1056901-62-2

分子式: C₁₇H₁₆ClN₃O

纯度: ≥98%

InChi: InChI=1S/C₁₇H₁₆ClN₃O/c18-16-7-5-15(6-8-16)17(22,11-19)14-3-1-12(2-4-14)13-9-20-21-10-13/h1-10,22H,11,19H2,(H,20,21)/t17-/m0/s1

InChi Key: IIRWNGPLJQXWFJ-KRWDZBQOSA-N

Smiles: NC[C@@](O)(C1C=CC(Cl)=CC=1)C1C=CC(=CC=1)C1=CCN=C1

外观: 固体粉末

作用通路: Akt

溶解性: Soluble in DMSO, not in water

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

产品介绍: AT13148 is a novel oral multi-AGC kinase inhibitor with potent pharmacodynamic and antitumor activity, which shows a distinct mechanism of action from other AKT inhibitors. AT13148 is currently being developed by Astex Pharmaceuticals. AT13148 was identified utilizing high-throughput X-ray crystallography and fragment-based lead discovery techniques. AT13148 caused substantial blockade of AKT, p70S6K, PKA, ROCK and SGK substrate phosphorylation and induction of apoptosis in both a concentration and time-dependent manner in cancer cells with clinically relevant genetic defects both in vitro and in vivo.