
ABC294640

产品编号: D51100

CAS: 915385-81-8

分子式: C₂₃H₂₅ClN₂O

纯度: ≥98%

InChi: InChI=1S/C₂₃H₂₅ClN₂O/c24-20-3-1-19(2-4-20)22-10-17-9-18(11-22)13-23(12-17,15-22)21(27)
26-14-16-5-7-25-8-6-16/h1-8,17-18H,9-15H₂, (H,26,27)/t17-,18+,22+,23-

InChi Key: CAOTVXGYTWCKQE-BRNYJPRKSA-N

Smiles: O=C(NCC1C=CN=CC=1)[C@]12C[C@@]3(C[C@H](C1)C[C@@H](C3)C2)C1C=CC(Cl)=CC=1

外观: 固体粉末

作用通路: SphK

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: ABC294640, also known as Opaganib, is an orally available, aryladamantane compound and selective inhibitor of sphingosine kinase-2 (SK2) with potential antineoplastic activity. Upon administration, ABC294640 competitively binds to and inhibits SK2, thereby preventing the phosphorylation of the pro-apoptotic amino alcohol sphingosine to sphingosine 1-phosphate (S1P), the lipid mediator that is pro-survival and critical for immunomodulation. This may eventually lead to the induction of apoptosis and may result in an inhibition of cell proliferation in cancer cells overexpressing SK2.