
GDC-0449 (Vismodegib)

产品编号: D50730

CAS: 879085-55-9

分子式: C₁₉H₁₄Cl₂N₂O₃S

纯度: ≥98%

InChi: InChi=1S/C₁₉H₁₄Cl₂N₂O₃S/c1-27(25,26)13-6-7-14(17(21)11-13)19(24)23-12-5-8-16(20)15(10-12)18-4-2-3-9-22-18/h2-11H,1H3,(H,23,24)

InChi Key: BPQMGSKTAYIVFO-UHFFFAOYSA-N

Smiles: CS(=O)(=O)C1=CC(Cl)=C(C=C1)C(=O)NC1=CC(C2C=CC=CN=2)=C(Cl)C=C1

外观: 固体粉末

作用通路: Autophagy

溶解性: DMSO up to 100 mM

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

产品介绍: Vismodegib (GDC-0449) is a potent and specific hedgehog pathway inhibitor with an IC₅₀ of 3 nM. It has been approved by FDA to treat BCC, and also in multiple clinical trials to treat advanced solid tumors. It blocks the activities of the Hedgehog-ligand cell surface receptors PTCH and/or SMO and suppressing Hedgehog signaling. It prevents multiple ATP-binding cassette (ABC) transporters. GDC-0449 also exhibited efficacy in medulloblastoma animal models and primary pancreatic cancer xenograft models. It was shown to inhibit cell growth in cisplatin-resistant lung cancer cells.