
CHIR99021

产品编号: D50703

CAS: 252917-06-9

分子式: C₂₂H₁₈Cl₂N₈

纯度: ≥98%

InChi: InChi=1S/C₂₂H₁₈Cl₂N₈/c1-13-10-29-21(31-13)17-12-30-22(32-20(17)16-4-3-15(23)8-18(16)24
)27-7-6-26-19-5-2-14(9-25)11-28-19/h2-5,8,10-12H,6-7H2,1H3,(H,26,28)(H,29,31)(H,27,30,32)

InChi Key: AQGNHMOJWBZFQQ-UHFFFAOYSA-N

Smiles: CC1=CNC(=N1)C1=CN=C(NCCNC2C=CC(=CN=2)C#N)N=C1C1C=CC(Cl)=CC=1Cl

外观: 固体粉末

作用通路: Autophagy

溶解性: DMSO up to 100 mM

保存条件: Store at -20°C.

产品介绍: CHIR99021 is the most widely used, potent and selective inhibitor of glycogen synthase kinase 3β (GSK3β) with an IC₅₀ ~7 nM. It can effectively activate Wnt signaling pathway in various cellular systems. CHIR99021 has been shown to enhance the reprogramming of murine and human somatic cells into iPSCs, potently promote expansion of embryonic stem cells and tissue-specific adult stem cells (such as hematopoietic stem and progenitor cells, cardiovascular, neural, mammary and intestinal stem cells), and induce differentiation of human ESCs/iPSCs toward neural or mesendoderm lineages under appropriate conditions.