
HLY78

产品编号: D50809

CAS: 854847-61-3

分子式: C₁₇H₁₇NO₂

纯度: ≥98%

InChi: InChI=1S/C₁₇H₁₇NO₂/c1-3-11-5-4-6-13-14-8-16-15(19-10-20-16)7-12(14)9-18(2)17(11)13/h4-8H,3,9-10H₂,1-2H₃

InChi Key: FAZZYPIBZBGQSH-UHFFFAOYSA-N

Smiles: CCC1=CC=CC2C3=CC4OCOC=4C=C3CN(C)C=21

外观: 固体粉末

作用通路: Wnt

溶解性: DMSO up to 100 mM

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

产品介绍: HLY78 is an activator of the Wnt pathway by acting in a Wnt ligand-dependent manner, identified by a high-throughput, cell-based screen. HLY78 targets the DIX domain of Axin and potentiates the Axin-LRP6 association, thus promoting LRP6 phosphorylation and Wnt signaling transduction. HLY78 may weaken the autoinhibition of Axin. In addition, HLY78 acts synergistically with Wnt in the embryonic development of zebrafish and increases the expression of the conserved hematopoietic stem cell (HSC) markers, runx1 and cmyb, in zebrafish embryos. HLY78 as a specific Wnt synergistic activator presents another opportunity for potential clinical applications relevant to the Wnt pathway.