
IQ 1

产品编号: D51493

CAS: 331001-62-8

分子式: C₂₁H₂₂N₄O₂

纯度: ≥98%

InChi: InChI=1S/C₂₁H₂₂N₄O₂/c1-13(26)14-8-10-16(11-9-14)24-25-19(20(22)27)18-17-7-5-4-6-15(17)
12-21(2,3)23-18/h4-11,24H,12H₂,1-3H₃, (H₂,22,27)/b25-19+

InChi Key: ALJIEVIJBAJISI-NCELCMTSA-N

Smiles: CC(=O)C1C=CC(=CC=1)N/N=C(/C(N)=O)\C1=NC(C)(C)CC2=CC=CC=C12

外观: 固体粉末

作用通路: Wnt

溶解性: Soluble in DMSO

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

产品介绍: IQ 1 has many functions such as decreasing Wnt-stimulated phosphorylation, maintaining the pluripotency of murine ESCs, preventing PP2A/Nkd interaction and so on. IQ 1 maintains the pluripotency of murine ESCs in long-term culture in a Wnt-dependent manner. IQ 1 decreased Wnt-stimulated phosphorylation of p300 at Ser-89. IQ-1 binds to serine/threonine phosphatase PP2A and prevents PP2A/Nkd interaction. The binding of IQ 1 to PR72/130 leads to decreased phosphorylation of the coactivator protein p300 at Ser-89. IQ 1 thereby diminishes the β -catenin/p300 interaction and prevents β -catenin coactivator switching from CBP to p300.