
YM-201636

产品编号: D51326

CAS: 371942-69-7

分子式: C₂₅H₂₁N₇O₃

纯度: ≥98%

InChi: InChI=1S/C₂₅H₂₁N₇O₃/c26-19-7-6-16(14-28-19)24(33)29-17-4-1-3-15(13-17)22-30-20-18-5-2-8-27-25(18)35-21(20)23(31-22)32-9-11-34-12-10-32/h1-8,13-14H,9-12H₂, (H₂,26,28)(H,29,33)

InChi Key: YBPIBGNBHGLEB-UHFFFAOYSA-N

Smiles: NC1C=CC(=CN=1)C(=O)NC1C=C(C=CC=1)C1=NC2=C(OC3N=CC=CC=32)C(=N1)N1CCOCC1

外观: 固体粉末

作用通路: Autophagy

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: YM-201636 is an inhibitor of retroviral budding and PIKfyve-catalyzed PtdIns(3, 5)P₂ synthesis, and can also halt glucose entry by insulin in adipocytes. YM-201636 almost completely inhibited basal and insulin-activated 2-deoxyglucose uptake at doses as low as 160 nM, with IC₅₀=54+/-4 nM for the net insulin response. Insulin-induced GLUT4 translocation was partially inhibited at substantially higher doses, comparable to those required for inhibition of insulin-induced phosphorylation of Akt/PKB. In addition to PIKfyve, YM-201636 also completely inhibited insulin-dependent activation of class IA PI 3-kinase.