
STO-609

产品编号: D51118

CAS: 52029-86-4

分子式: C₁₉H₁₀N₂O₃

纯度: ≥98%

InChi: InChI=1S/C₁₉H₁₀N₂O₃/c22-18-13-5-3-4-10-11(19(23)24)8-9-12(16(10)13)17-20-14-6-1-2-7-15(14)21(17)18/h1-9H,(H,23,24)

InChi Key: MYKOWOGZBMOVBJ-UHFFFAOYSA-N

Smiles: OC(=O)C1C=CC2C3=NC4C=CC=CC=4N3C(=O)C3=CC=CC=1C=23

外观: 固体粉末

作用通路: AMPK

溶解性: Soluble in DMSO

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

产品介绍: STO-609 is a specific inhibitor of the Ca(2+)/calmodulin-dependent protein kinase kinase. STO-609 inhibits the activities of recombinant CaM-KK alpha and CaM-KK beta isoforms, with K(i) values of 80 and 15 ng/ml, respectively, and also inhibits their autophosphorylation activities. STO-609 is highly selective for CaM-KK without any significant effect on the downstream CaM kinases (CaM-KI and -IV), and the IC(50) value of the compound against CaM-KII is approximately 10 microg/ml. STO-609 is a selective and cell-permeable inhibitor of CaM-KK and that it may be a useful tool for evaluating the physiological significance of the CaM-KK-mediated pathway in vivo as well as in vitro.