
K-252a

产品编号: D51373

CAS: 99533-80-9

分子式: C₂₇H₂₁N₃O₅

纯度: ≥98%

InChi: InChI=1S/C₂₇H₂₁N₃O₅/c1-26-27(33,25(32)34-2)11-18(35-26)29-16-9-5-3-7-13(16)20-21-15(12-28-24(21)31)19-14-8-4-6-10-17(14)30(26)23(19)22(20)29/h3-10,18,33H,11-12H₂,1-2H₃, (H,28,31)/t18-,26+,27+/m1/s1

InChi Key: KOZFSFOOLUUIGY-SOLYNIJKSA-N

Smiles: C[C@]12O[C@H](C[C@]1(O)C(=O)OC)N1C3C(=C4C(CNC4=O)=C4C=3N2C2=CC=CC=C24)C2=C
C=CC=C12

外观: 固体粉末

作用通路: Antibiotic

溶解性: Soluble in DMSO

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

产品介绍: K-252a, also known as SF 2370, is an alkaloid isolated from Nocardiopestis bacteria. This staurosporine analog is a highly potent cell permeable inhibitor of CaM kinase and phosphorylase kinase (IC₅₀ = 1.8 and 1.7 nmol/L, respectively). At higher concentrations it is also an efficient inhibitor of serine/threonine protein kinases (IC₅₀ of 10 to 30 nmol/L).