
Ro 31-8220 mesylate

产品编号: D51361

CAS: 138489-18-6

分子式: C₂₆H₂₇N₅O₅S₂

纯度: ≥98%

InChi: InChI=1S/C₂₅H₂₃N₅O₂S.CH₄O₃S/c1-29-13-17(15-7-2-4-9-19(15)29)21-22(24(32)28-23(21)31)18-14-30(11-6-12-33-25(26)27)20-10-5-3-8-16(18)20;1-5(2,3)4/h2-5,7-10,13-14H,6,11-12H₂,1H₃, (H₃,26,27)(H,28,31,32);1H₃, (H₂,3,4)

InChi Key: SAWVGDJBSPLRRB-UHFFFAOYSA-N

Smiles: CN1C=C(C2=C(C3=CN(CCCSC(N)=N)C4=CC=CC=C43)C(=O)NC2=O)C2=CC=CC=C12.CS(O)(=O)=O

外观: 固体粉末

作用通路: PKC

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: Ro 31-8220 is a PKC-inhibitor, which inhibits stimulated fluid pinocytosis of human PMNs induced by the PKC-activators phorbol myristate acetate (PMA, IC₅₀ = 1.35 x 10⁻⁶ M) or diacylglycerols (OAG, diC₈) by 95%. Ro-31-8220 showed the apoptotic effect on HL-60 cells, which was mediated by a well-characterized transduction process of apoptotic signals: i.e., mitochondrial cytochrome c efflux and the activation of caspase-3 in the cytosol. Moreover, the ability of Ro-31-8220 to induce apoptotic activation was completely inhibited by the over-expression of the apoptotic suppressor gene, Bcl-2, in the cells.