
Roquinimex

产品编号: D62034

CAS: 84088-42-6

分子式: C₁₈H₁₆N₂O₃

纯度: 98%

InChi Key: InChiKey=SGOOQMRIPALTEL-UHFFFAOYSA-N

Smiles: CN(c1ccccc1)C(=O)C3=C(O)c2ccccc2N(C)C3=O

外观: 固体粉末

作用通路: Apoptosis

作用靶点: TNF

溶解性: Soluble in DMSO

保存条件: -20°C

产品介绍: Roquinimex (Linomide; PNU212616; ABR212616) is a quinoline derivative immunostimulant which increases NK cell activity and macrophage cytotoxicity; inhibits angiogenesis and reduces the secretion of TNF alpha. IC50 value: Target: TNF alpha Prophylactic administration of DSS-treated mice with roquinimex significantly reduced clinical signs of colitis, MDS and the CH-reduction. Moreover, in roquinimex treated animals, the MPO activity was significantly reduced by more than 50% compared to DSS control mice. Notably, therapeutic administration of roquinimex in DSS-treated mice also significantly inhibited the MDS, CH-reduction and MPO activity. Linomide, a synthetic immunomodulator, at concentrations effective in vivo reduces the number of MBP-reactive TNF-alpha and increases MBP-reactive IL-10 and TGF-beta mRNA expressing MNC from MS patients' blood when analysed in vitro. Compared to dexamethasone, Linomide up-regulated levels of blood MNC expressing mRNA of TGF-beta after culture in presence of MBP