
Resiquimod

产品编号: D51079

CAS: 144875-48-9

分子式: C₁₇H₂₂N₄O₂

纯度: ≥98%

InChi: InChI=1S/C₁₇H₂₂N₄O₂/c1-4-23-9-13-20-14-15(21(13)10-17(2,3)22)11-7-5-6-8-12(11)19-16(14)18/h5-8,22H,4,9-10H₂,1-3H₃,(H₂,18,19)

InChi Key: BXNMTOQRYBFHNZ-UHFFFAOYSA-N

Smiles: CCOCC1=NC2=C(N)N=C3C=CC=CC3=C2N1CC(C)(C)O

外观: 固体粉末

作用通路: HCV

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: Resiquimod, also known as R-848; S-28463; VML-600, is a n imidazoquinolinamine Toll-like receptor (TLR) agonist with potential immunostimulatory activity. Resiquimod binds to and activates TLRs 7 and 8, mainly on dendritic cells (DCs), macrophages, and B-lymphocytes, which results in the activation of the TLR signaling pathway and nuclear translocation of the transcription activator NF-κB another transcription factors; subsequently, the production of cytokines, especially interferon-alpha (INF-α), increases, enhancing T-helper 1 (Th1) immune responses. In addition, topical application of resiquimod appears to activate Langerhans cells, which may result in enhanced activation of T-lymphocytes.