
MERcK-5

产品编号: D51171

CAS: 457081-03-7

分子式: C₁₈H₁₆FN₃O

纯度: ≥98%

InChi: InChi=1S/C₁₈H₁₆FN₃O/c1-18(2,3)17-21-14-10-5-4-9(19)8-12(10)13-11(15(14)22-17)6-7-20-16(13)23/h4-8H,1-3H3,(H,20,23)(H,21,22)

InChi Key: VNDWQCSOSCCWIP-UHFFFAOYSA-N

Smiles: CC(C)(C)C1NC2C(N=1)=C1C=CNC(=O)C1=C1C=C(F)C=CC1=2

外观: 固体粉末

作用通路: JAK

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: Pyridone 6, also known CMP 6 or JAK Inhibitor I, is a pan-Janus-activated kinase inhibitor, Pyridone 6 interferes with JAK kinase activity by interacting within the ATP-binding cleft. It inhibits JAK1, 2, and 3 with IC₅₀ values of 15, 1, and 5 nM, respectively. Pyridone 6 suppresses osteoclast formation and bone resorption through down-regulation of receptor activator of nuclear factor-kappaB (NF-kappaB) ligand (RANKL)-induced c-Fos and nuclear factor of activated T cells (NFAT) c1 expression. Pyridone 6 induces growth inhibition of multiple myeloma cells.