
CP-690550

产品编号: D50729

CAS: 477600-75-2

分子式: C₁₆H₂₀N₆O

纯度: ≥98%

InChi: InChI=1S/C₁₆H₂₀N₆O/c1-11-5-8-22(14(23)3-6-17)9-13(11)21(2)16-12-4-7-18-15(12)19-10-20-16/h4,7,10-11,13H,3,5,8-9H2,1-2H3,(H,18,19,20)/t11-,13+/m1/s1

InChi Key: UJLAWZDWDVHWOW-YPMHNXCESA-N

Smiles: CN([C@H]1CN(CC[C@H]1C)C(=O)CC#N)C1=NC=NC2NC=CC=21

外观: 固体粉末

作用通路: Apoptosis

溶解性: DMSO up to 100 mM

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

产品介绍: CP-690550 is a potent and selective JAK inhibitor currently in clinical trials for rheumatoid arthritis (RA) and other autoimmune disease indications. It inhibits recombinant human JAK1 (IC₅₀ ~ 3.2 nM), JAK2 (IC₅₀ ~4.1 nM), and JAK3 (IC₅₀ ~1.6 nM). In cellular assays CP-690550 showed potent effects in the IL-2 blast proliferation assay (IC₅₀ ~11 nM, mediated via JAK1 and JAK3) and HU03 cellular specificity assay (IC₅₀ ~324 nM, mediated via JAK2), but has relatively minimal effects on general cell growth (>10 μM activity in the HFF assay).