
JAK2-IN-6

产品编号: D53086

CAS: 353512-04-6

分子式: C₁₄H₁₀ClN₃OS₂

纯度: 98%

InChi Key: InChiKey=OFSYMZBCAABWIK-UHFFFAOYSA-N

Smiles: Nc1nc(Nc2ccccc2)sc1C(=O)c1ccc(Cl)s1

外观: 固体粉末

作用通路: Angiogenesis;Chromatin/Epigenetic;JAK/STAT signaling;Stem Cells

作用靶点: JAK

溶解性: DMSO : 54.0 mg/mL (160.8 mM; ultrasonic and adjust pH to 5 with HCl)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: JAK2-IN-6, a polysubstituted aminothiazole derivative, is a potent and selective inhibitor of JAK2 (ic₅₀ at 22.86 µg/mL). Jak2-in-6 inhibits the activity of JAK2 enzymes by interfering with Jak2-related signaling pathways, thereby producing therapeutic effects on the specific disease IN which JAK2 is dysregulated, and does not show activity on JAK1 and JAK3. JAK2 is a protein involved in signaling pathways that regulate cell growth and division. Abnormal activation of JAK2 has been linked to a variety of diseases, including some types of cancer and inflammatory diseases. JAK2-IN-6 has antiproliferative activity against cancer cells.