

Catalog Number: CM04899

产品信息

Catalog Number:
CM04899

CAS号:
882290-02-0

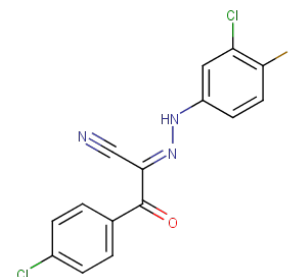
分子式:
C₁₅H₈Cl₂FN₃O

主要靶点:
Apoptosis|JAK|STAT

主要通路:
表观遗传|凋亡|干细胞|JAK/STAT信号通路|血管生成

分子量:
336.15

溶解度:
DMSO:82 mg/mL (243.94 mM), Sonification is recommended.



体外活性

SC99 inhibited the phosphorylation of JAK2 and STAT3 in human platelets but had no effects on the phosphorylation of AKT, p65 or Src, all of which are involved in platelet activation. SC99 inhibited human platelet aggregation induced by collagen and thrombin in a dose-dependent manner. SC99 inhibited thrombin-induced P-selectin expression and fibrinogen binding to single platelets. Moreover, SC99 inhibited platelet spreading on fibrinogen and clot retraction mediated by outside-in signaling. SC99 inhibited platelet aggregation in mice but it did not significantly prolong the bleeding time. SC99 inhibited platelet activation and aggregation as a STAT3 inhibitor. This agent can be developed as a promising treatment for thrombotic disorders.

描述

SC99 is a selective inhibitor of JAK2-STAT3 activation. SC99 downregulates the expression of STAT3-modulated genes. SC99 inhibits platelet activation, aggregation and displays potent anti-myeloma, anti-thrombotic activities

储存

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