

Product Name : SC-99

Synonyms : STAT3 inhibitor SC99

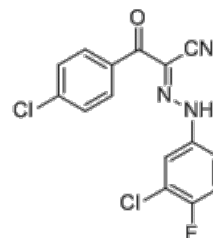
Cat No. : M16398

CAS Number : 882290-02-0

Molecular Formula : C₁₅H₈Cl₂FN₃O

Formula Weight : 336.15

Chemical Name : (E)-N-(3-chloro-4-fluorophenyl)-2-(4-chlorophenyl)-2-oxoacetohydrazonoyl cyanide



Description : A novel selective STAT3 inhibitor that inhibits JAK2-STAT3 activation but has no effects on other transcription factors such as NF-κB, and kinases such as AKT, ERK, and c-Src; inhibits STAT3 phosphorylation, dimerization and nuclear translocation, downregulates STAT3-modulated gene expression and induces MM cell apoptosis; delays tumor growth in MM xenograft models (30mg/kg); orally active.

Pathway : JAK/STAT Signaling

Target : STAT

Receptor : STAT

Solubility : —

SMILES : N#C/C(C(=CC=C(Cl)C)=O)=N/NC2=CC=C(F)C(Cl)=C2

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Zhang Z, et al. Oncotarget. 2016 Feb 23;7(8):9296-308. 2. Xu Z, et al. Acta Pharmacol Sin. 2017 May;38(5):651-659.