

Catalog Number: CM04173

产品信息

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CM04173

CAS号:
301305-73-7

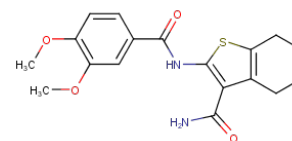
分子式:
C₁₈H₂₀N₂O₄S

主要靶点:
FLT

主要通路:
血管生成|蛋白酪氨酸激酶

分子量:
360.43

溶解度:
DMSO:10.8 mg/mL (30 mM)



靶点活性

FLT3:42 nM

体外活性

TCS 359, a 2-acylaminothiophene-3-carboxamide, is a potent inhibitor of FLT3 with IC₅₀ of 42 nM. TCS 359 inhibits MV4-11 proliferation with IC₅₀ of 340 nM. TCS 359 is highly selective for FLT3 against a panel of kinases. [1]

细胞实验

MV4-11 cells are plated at 10,000 cells per well in 100 μ L of in RPMI media containing penn/strep, 10% FBS, and 0.2 ng/mL GM-CSF. Compound dilutions or 0.1% DMSO (vehicle control) is added to cells and the cells are allowed to grow for 72 h at standard cell growth conditions. To measure total cell growth, an equal volume of CellTiterGlo reagent is added to each well and luminescence is quantified. Total cell growth is quantified as the difference in luminescent counts of cell number at Day 0 compared to total cell number at Day 3 (72 h of growth and/or compound treatment). All IC₅₀ values are calculated in GraphPadPrism using non-linear regression analysis with a multiparameter (variable slope) equation.(Only for Reference)

描述

TCS 359 is a potent FLT3 inhibitor with IC₅₀ of 42 nM.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years