For Research Use Only

OICR-9429

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Catalog Number: CM04577

产品信息

Catalog Number:
CM04577

CAS号:
1801787-56-3

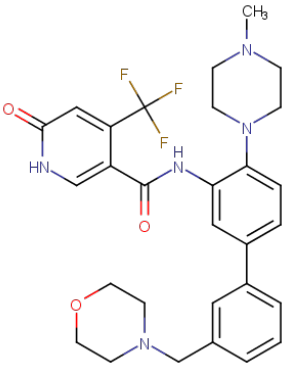
分子式:
$C_{29}H_{32}F_3N_5O_3$

主要靶点:
JAK|Histone Methyltransferase

主要通路:
血管生成|JAK/STAT信号通路|表观遗传|干细胞

分子量:
555.59

溶解度:
DMSO:38 mg/mL (68.39 mM),H2O: <1 mg/mL,Ethanol:12 mg/mL(21.6 mM)



靶点活性

WDR5:93 nM(Kd)

体外活性

OICR-9429 binds WDR5 with high affinity (Kd=93±28 nM) and competitively disrupts its interaction with a high-affinity Wdr5-interacting (WIN) peptide of MLL (Kdisp=64±4 nM)[1].

细胞实验

20,000 viable, actively proliferating primary human AML cells per well were seeded in 96-well plates in triplicates and treated with 0.05% DMSO or OICR-9429. Cell viability was measured using the Cell Titer-Glo luminescent cell viability assay on a VICTOR X4 luminometer after 72 h.(Only for Reference)

描述

OICR-9429 is a potent antagonist of the interaction that WDR5 effect with peptide regions of MLL and Histone 3. It reduces the viability of acute myeloid leukemia cells in vitro.

储存

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