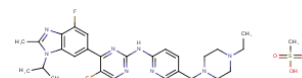


Catalog Number: CM03384

## 产品信息

Catalog Number:  
CM03384CAS号:  
1231930-82-7分子式:  
 $C_{27}H_{32}F_2N_8 \cdot CH_4O_3S$ 主要靶点:  
CDK主要通路:  
细胞周期分子量:  
602.7溶解度:  
Ethanol:23 mg/mL (38.2 mM), DMSO:77 mg/mL (127.8 mM), H<sub>2</sub>O:45mg/mL (74.7mM)

## 靶点活性

CDK4:2 nM|CDK6:10 nM

## 体外活性

MsOH处理皮下和颅内胶质瘤模型（U87 mg）中,LY2835219以剂量依赖的方式抑制肿瘤生长。

## 体内活性

在视网膜母细胞瘤中,LY2835219通过特异性抑制CDK4和6,使细胞周期停滞在G1期,抑制DNA合成,且抑制癌细胞生长。

## 细胞实验

LY2835219 is dissolved in DMSO to a 10 mM concentration. Cells are seeded in a 96-well plate, allowed to adhere overnight, and treated with DMSO control (0.1% v/v) or the indicated compounds for 72 h. Cell viability and proliferation are determined using a Cell Counting Kit according to the manufacturer's instructions. The interaction between LY2835219 and mTOR inhibitor is determined using CompuSyn. Combination index (CI) values of 1 indicates additive drug interaction, whereas a CI of < 1 is synergistic and a CI of > 1 is antagonistic.

## 描述

LY2835219 is a specific and effective inhibitor of CDK4(IC<sub>50</sub>=2 nM) and CDK6(IC<sub>50</sub>=10 nM).

## 储存

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