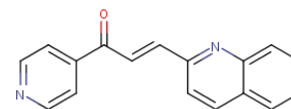


Catalog Number: CM05839

产品信息

Catalog Number:
CM05839CAS号:
4382-63-2分子式:
C₁₇H₁₂N₂O主要靶点:
Glucokinase|Autophagy主要通路:
代谢|自噬分子量:
260.29溶解度:
DMSO:26 mg/mL (100 mM)

靶点活性

PFKFB3:110 nM|PFKFB3:20 nM

体外活性

PFK-015 (25 mg/kg.i.p.) 对同源小鼠体内LLC肿瘤的生长、转移扩散及葡萄糖代谢具有抑制作用.在三个异种移植的无胸腺癌症小鼠模型中,PFK-015与公认化疗药物的抗癌效果相似.PFK-015有适当的体内药代动力学性质.

体内活性

在Jurkat T-细胞白血病细胞和H522肺腺癌细胞中,PFK-015可使F26BP、葡萄糖摄取及细胞内腺嘌呤核苷三磷酸水平降低。PFK-015还对一系列癌细胞的生长具有明显的抑制作用。

细胞实验

Viability is determined using trypan blue exclusion. Cells were incubated in 20% trypan blue for 5 minutes. Cells excluding trypan blue are counted using a standard hemocytometer to determine the total number of viable cells. Experiments are conducted in triplicate. (Only for Reference)

描述

PFK-015 (PFK15) is an effective inhibitor of PFKFB3 (IC₅₀: 110 nM) and inhibits PFKFB3 activity in Y cells (IC₅₀: 20 nM).

储存

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