

Catalog Number: CM05975

产品信息

Catalog Number:
CM05975

CAS号:
1383716-33-3

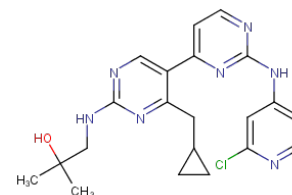
分子式:
C₂₁H₂₄ClN₇O

主要靶点:
PI3K/Autophagy

主要通路:
自噬|PI3K/Akt/mTOR信号通路

分子量:
425.91

溶解度:
DMSO:79 mg/mL (185.5
mM),Ethanol:79 mg/mL (185.5
mM),H₂O:<1 mg/mL



靶点活性

Vps34:25 nM

体外活性

Administration of VPS34-IN1 to cells induces a rapid dose-dependent dispersal of a specific PtdIns(3)P-binding probe from endosome membranes, within 1min, without affecting the ability of class I PI3K to regulate Akt. It can also induce a rapid ~50-60% loss of SGK3 phosphorylation within 1min. VPS34-IN1 has no inhibition to the SGK2 isoform that does not possess a PtdIns(3)P-binding PX domain[1].

描述

Vps34-IN1 is a potent and highly selective Vps34 inhibitor with IC₅₀ of 25 nM invitro, which does not significantly inhibit the isoforms of class I as well as class II PI3Ks.

储存

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