

产品名称 : XL388

同义词 : XL388 | XL-388 | XL 388

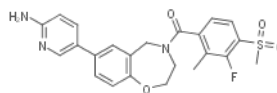
产品货号 : M17219

CAS Number : 1251156-08-7

分子式 : C₂₃H₂₂FN₃O₄S

分子量 : 455.5

化学全名 : (7-(6-aminopyridin-3-yl)-2,3-dihydrobenzo[f][1,4]oxazepin-4(5H)-yl)(3-fluoro-2-methyl-4-(methylsulfonyl)phenyl)methanone



产品描述 : XL388 is a Novel Class of Highly Potent, Selective, ATP-Competitive, and Orally Bioavailable Inhibitors of the Mammalian Target of Rapamycin (mTOR). XL388 inhibited cellular phosphorylation of mTOR complex 1 (p-p70S6K, pS6, and p-4E-BP1) and mTOR complex 2 (pAKT (S473)) substrates. XL388 displayed good pharmacokinetics and oral exposure in multiple species with moderate bioavailability. Oral administration of XL388 to athymic nude mice implanted with human tumor xenografts afforded significant and dose-dependent antitumor activity.

通路 : Cytoskeleton/Cell Adhesion Molecules

靶点 : Glucokinase

受体 : mTOR| mTORC1| mTORC2| CYP2C9| PI3Kα

溶解度 : DMSO : 50 mg/mL. 109.77 mM;

SMILES : Cc1c(ccc(c1F)S(=O)(=O)C(=O)C(=O)N1CCOc2c(C1)cc(cc2)c1cnc(cc1)N

存储条件 : (-20℃)

稳定性 : ≥ 2 years

参考文献 :

1. Nicole Miller, et al. Mol Y Ther, 2009, 8(12 Suppl):B146.