

Product Name : Omipalisib

Synonyms : GSK-212; GSK-2126458; GSK2126458

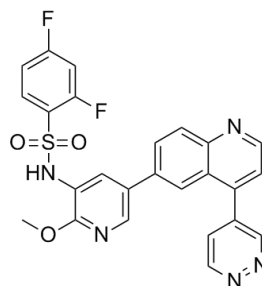
Cat No. : M10336

CAS Number : 1086062-66-9

Molecular Formula : C₂₅H₁₇F₂N₅O₃S

Formula Weight : 505.50

Chemical Name : Benzenesulfonamide, 2,4-difluoro-N-[2-methoxy-5-[4-(4-pyridazinyl)-6-quinoliny]-3-pyridinyl]-



Description : A highly potent dual inhibitor PI3K/mTOR inhibitor with app Ki of 19/130/24/60/180/300 nM for p110α/p110β/p110γ/p110δ/mTORC1/mTORC2 respectively; shows equivalent activity for p110α mutants E542K/E545K/H1047R with Ki of 8/8/9 nM; inhibits pAKT-S473 in T47D cells (IC₅₀=0.41 nM), also inhibits phosphorylation of AKT308 and p70S6K; active in vivo and orally bioavailable. Solid Tumors Phase 1 Clinical

Pathway : PI3K/Akt/mTOR signaling

Target : PI3K

Receptor : mTORC1; p110α; p110β; p110γ; p110δ

Solubility : 10 mM in DMSO

SMILES : O=S(C1=CC=C(F)C=C1F)(NC2=CC(C3=CC=C4N=CC=C(C5=CC=NN=C5)C4=C3)=CN=C2OC)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Knight SD, et al. ACS Med Chem Lett. 2010 Jan 19;1(1):39-43. | 2. Khalili JS, et al. Clin Cancer Res. 2012 Aug 15;18(16):4345-55. | 3. Munster P, et al. Clin Cancer Res. 2016 Apr 15;22(8):1932-9.