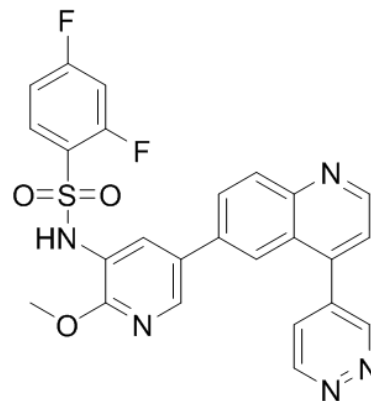


Product Name : Omipalisib
Cat. No. : PC-42513
CAS No. : 1086062-66-9
Molecular Formula : C₂₅H₁₇F₂N₅O₃S
Molecular Weight : 505.496
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

A highly potent dual inhibitor PI3K/mTOR inhibitor with app Ki of 19/130/24/60/180/300 nM for p110 α /p110 β /p110 γ /p110 δ /mTORC1/mTORC2 respectively; shows equivalent activity for p110 α 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 AKTT308 and p70S6K; active in vivo and orally bioavailable.

Solid Tumors
Phase 1 Clinical

References

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Khalili JS, et al. Clin Cancer Res. 2012 Aug 15;18(16):4345-55.
Munster P, et al. Clin Cancer Res. 2016 Apr 15;22(8):1932-9.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com