

Product Name : PIM-447 dihydrochloride

Synonyms : LGH-447 dihydrochloride

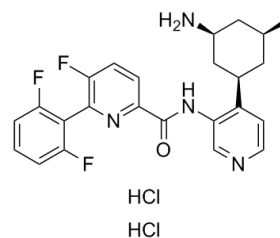
Cat No. : M12803

CAS Number : 1820565-69-2

Molecular Formula : C₂₄H₂₅Cl₂F₃N₄O

Formula Weight : 513.38

Chemical Name : 2-Pyridinecarboxamide, N-[4-[(1R,3S,5S)-3-amino-5-methylcyclohexyl]-3-pyridinyl]-6-(2,6-difluorophenyl)-5-fluoro-, hydrochloride (1:2)



Description : A highly potent and selective inhibitor of pan-Pim with IC₅₀s of 6/18/9 pM for Pim1/2/3 respectively; induces apoptosis by a decrease in phospho-Bad Ser112 and c-Myc levels and the inhibition of mTORC1 pathway; significantly reduces the tumor burden and prevents tumor-associated bone loss in a murine model of human myeloma. Blood Cancer Phase 2 Clinical

Pathway : JAK/STAT Signaling

Target : Pim

Receptor : Pim

Solubility : DMSO: ≥ 46.7 mg/mL

SMILES : CC1CC(CC(C1)N)C2=C(C=NC=C2)NC(=O)C3=NC(=C(C=C3)F)C4=C(C=CC=C4F)F.Cl.Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Burger MT, et al. J Med Chem. 2015 Nov 12;58(21):8373-86. | 2. Paíno T, et al. Clin Cancer Res. 2017 Jan 1;23(1):225-238. | 3. Peters TL, et al. Oncotarget. 2016 Sep 27;7(39):63362-63373.