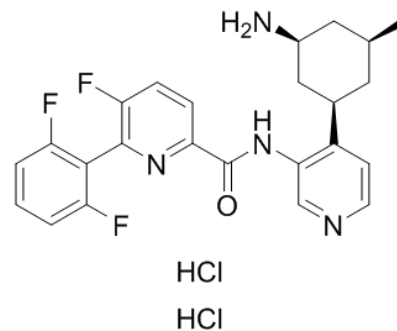


Product Name : PIM-447 dihydrochloride
Cat. No. : PC-45606
CAS No. : 1820565-69-2
Molecular Formula : C₂₄H₂₅Cl₂F₃N₄O
Molecular Weight : 513.3827
Target : Pim
Solubility : DMSO: ≥ 46.7 mg/mL



Biological Activity

PIM-447 (LGH-447) dihydrochlorid is a highly potent and selective inhibitor of **pan-Pim** with IC₅₀s of 6/18/9 pM for Pim/1/2/3 respectively.

PIM-447 (LGH-447) induces apoptosis by a decrease in phospho-Bad Ser112 and c-Myc levels and the inhibition of mTORC1 pathway.

PIM-447 (LGH-447) significantly reduces the tumor burden and prevents tumor-associated bone loss in a murine model of human myeloma.

References

Burger MT, et al. *J Med Chem.* 2015 Nov 12;58(21):8373-86.

Paíno T, et al. *Clin Cancer Res.* 2017 Jan 1;23(1):225-238.

Peters TL, et al. *Oncotarget.* 2016 Sep 27;7(39):63362-63373.

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

E-mail: tech@probechem.com