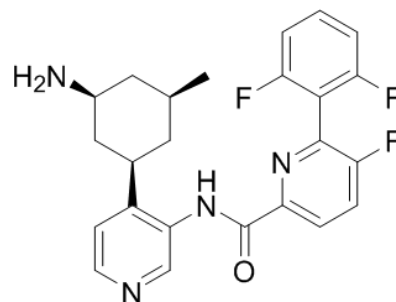


Product Name : PIM-447
Cat. No. : PC-45605
CAS No. : 1210608-43-7
Molecular Formula : C₂₄H₂₃F₃N₄O
Molecular Weight : 440.4608
Target : Pim
Solubility : 10 mM in DMSO



Biological Activity

PIM-447 (LGH-447) 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!

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