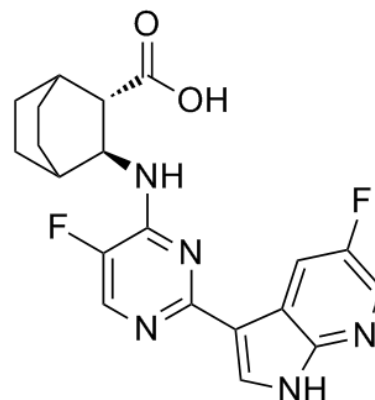


Product Name : Pimodivir
Cat. No. : PC-42998
CAS No. : 1629869-44-8
Molecular Formula : C₂₀H₁₉F₂N₅O₂
Molecular Weight : 399.394
Target : Influenza Virus
Solubility : DMSO: ≥ 12.5 mg/mL



Biological Activity

Pimodivir (VX-787, JNJ872, JNJ 63623872) is a first-in-class, orally bioavailable inhibitor of influenza virus polymerase **PB2 subunit** with K_d of <3 nM, CPE EC₅₀ of 2 nM.

Pimodivir (VX-787, JNJ872, JNJ 63623872) shows strong potency versus multiple influenza A strains, including pandemic 2009 H1N1 and avian H5N1 flu strains with mean CPE EC₅₀ of <2 nM.

Pimodivir (VX-787) is highly efficacious in both prophylaxis and treatment models of mouse influenza and is superior to the neuraminidase inhibitor Oseltamivir.

References

Clark MP, et al. *J Med Chem.* 2014 Aug 14;57(15):6668-78.

Byrn RA, et al. *Antimicrob Agents Chemother.* 2015 Mar;59(3):1569-82.

Ma X, et al. *Sci Rep.* 2017 Aug 24;7(1):9385.

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

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