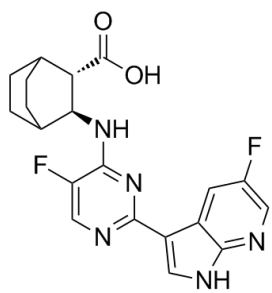


Product Name	: Pimodivir
Synonyms	: VX-787; JNJ872; JNJ 63623872
Cat No.	: M12447
CAS Number	: 1629869-44-8
Molecular Formula	: C ₂₀ H ₁₉ F ₂ N ₅ O ₂
Formula Weight	: 399.39
Chemical Name	: Bicyclo[2.2.2]octane-2-carboxylic acid, 3-[[5-fluoro-2-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-3-yl)-4-pyrimidinyl]amino]-, (2S,3S)-
Description	 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; 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. Influenza Phase 3 Clinical
Pathway	: Microbiology/Virology
Target	: Influenza Virus
Receptor	: InfluenzaApolymerases
Solubility	: DMSO: ≥ 12.5 mg/mL
SMILES	: <chem>O=C([C@H]1C(CC2CCC2[C@@H]1NC3=NC(C4=CNC5=NC=C(F)C=C54)=NC=C3F)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Clark MP, et al. J Med Chem. 2014 Aug 14;57(15):6668-78. | 2. Bym RA, et al. Antimicrob Agents Chemother. 2015 Mar;59(3):1569-82. | 3. Ma X, et al. Sci Rep. 2017 Aug 24;7(1):9385.