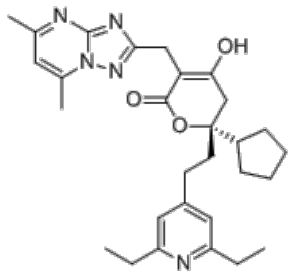


Product Name	: Filibuvir	
Synonyms	: PF-00868554; PF-868554	
Cat No.	: M16368	
CAS Number	: 877130-28-4	
Molecular Formula	: C ₂₉ H ₃₇ N ₅ O ₃	
Formula Weight	: 503.64	
Chemical Name	(R)-6-Cyclopentyl-6-[2-(2,6-diethylpyridin-4-yl)ethyl]-3-[(5,7-dimethyl-[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)methyl]-4-hydroxy-5,6-dihydro-2H-pyran-2-one	
Description	Filibuvir (PF-00868554; PF-868554) is a nonnucleoside, potent and selective, orally available HCV NS5B inhibitor with IC ₅₀ of 19 nM, EC ₅₀ of 75 nM (genotype 1b-Con1 replicon); has potent in vitro antiviral activity against a majority (95.8%) of genotype 1a and 1b replicons with an overall mean EC ₅₀ of 59 nM, without cytotoxic effect in several human cell lines (CC ₅₀ >320 uM); exhibits good pharmacokinetic properties in preclinical animal species. HCV Infection Phase 2 Discontinued	
Pathway	: Microbiology/Virology	
Target	: HCV	
Receptor	: HCV	
Solubility	: —	
SMILES	<chem>O=C1C(CC2=NN3C(C)=CC(C)=NC3=N2)=C(O)C[C@](C)(CCC4=CC(CC)=NC(CC)=C4)(C5CCCC5)O1</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Li H, et al. J Med Chem. 2009 Mar 12;52(5):1255-8. | 2. Shi ST, et al. Antimicrob Agents Chemother. 2009 Jun;53(6):2544-52. | 3. Wagner F, et al. Hepatology. 2011 Jul;54(1):50-9. doi: 10.1002/hep.24342.