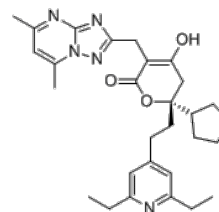


**Product Name** : Filibuvir  
**Cat. No.** : PC-61888  
**CAS No.** : 877130-28-4  
**Molecular Formula** : C<sub>29</sub>H<sub>37</sub>N<sub>5</sub>O<sub>3</sub>  
**Molecular Weight** : 503.636  
**Target** : HCV  
**Solubility** : 10 mM in DMSO



## Biological Activity

Filibuvir (PF-00868554, PF-868554) is a nonnucleoside, potent and selective, orally available **HCV NS5B** inhibitor with IC<sub>50</sub> of 19 nM, EC<sub>50</sub> of 75 nM (genotype 1b-Con1 replicon).

Filibuvir has potent in vitro antiviral activity against a majority (95.8%) of genotype 1a and 1b replicons with an overall mean EC<sub>50</sub> of 59 nM, without cytotoxic effect in several human cell lines (CC<sub>50</sub>>320 uM).

Filibuvir exhibits good pharmacokinetic properties in preclinical animal species.

## References

Li H, et al. *J Med Chem.* 2009 Mar 12;52(5):1255-8.

Shi ST, et al. *Antimicrob Agents Chemother.* 2009 Jun;53(6):2544-52.

Wagner F, et al. *Hepatology.* 2011 Jul;54(1):50-9. doi: 10.1002/hep.24342.

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

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