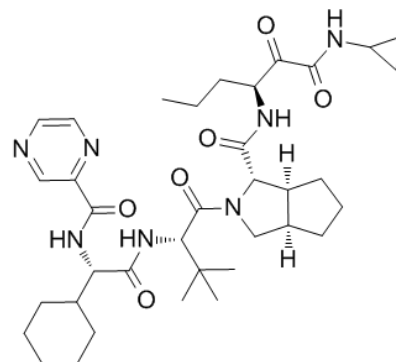


**Product Name** : Telaprevir  
**Cat. No.** : PC-42476  
**CAS No.** : 402957-28-2  
**Molecular Formula** : C<sub>36</sub>H<sub>53</sub>N<sub>7</sub>O<sub>6</sub>  
**Molecular Weight** : 679.8493  
**Target** : HCV  
**Solubility** : 10 mM in DMSO



## Biological Activity

Telaprevir (VX-950) is a potent, selective, covalent, orally bioavailable inhibitor of **HCV NS3/4A** protease with K<sub>i</sub> of 7 nM. Telaprevir demonstrates excellent antiviral activity both in genotype 1b HCV replicon cells (IC<sub>50</sub>=354 nM) and in human fetal hepatocytes (IC<sub>50</sub>=280 nM). Telaprevir shows excellent viral inhibition in vivo with favorable pharmacokinetic profile.

## References

- Perni RB, et al. *Antimicrob Agents Chemother.* 2006 Mar;50(3):899-909.  
 Lin C, et al. *J Biol Chem.* 2004 Apr 23;279(17):17508-14.  
 Lin C, et al. *J Biol Chem.* 2005 Nov 4;280(44):36784-91.

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

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