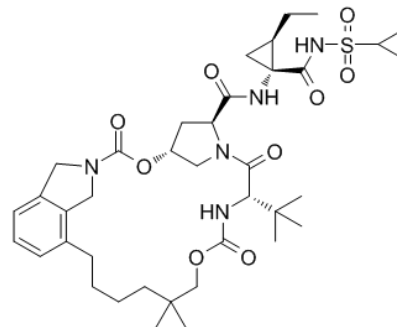


**Product Name** : Vaniprevir  
**Cat. No.** : PC-42481  
**CAS No.** : 923590-37-8  
**Molecular Formula** : C<sub>38</sub>H<sub>55</sub>N<sub>5</sub>O<sub>9</sub>S  
**Molecular Weight** : 757.9364  
**Target** : HCV  
**Solubility** : 10 mM in DMSO



## Biological Activity

A potent, selective, orally available inhibitor of HCV NS3/4A protease with  $K_i$  of 0.05 and 0.9 nM for GT1b and 2a protease, respectively; displays excellent selectivity against both a range of human proteases and a broad panel of pharmacologically relevant targets; has replicon EC<sub>50</sub> of 3 and 9 nM for GT1b and 2a, respectively, has good plasma exposure and excellent liver exposure in multiple species.

HCV Infection  
Approved

## References

- McCauley JA, et al. *J Med Chem.* 2010 Mar 25;53(6):2443-63.  
Liverton NJ, et al. *Antimicrob Agents Chemother.* 2010 Jan;54(1):305-11.  
Manns MP, et al. *Hepatology.* 2012 Sep;56(3):884-93.

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

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