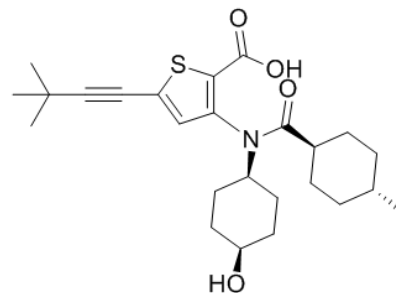


**Product Name** : Lomibuvir  
**Cat. No.** : PC-45961  
**CAS No.** : 1026785-59-0  
**Molecular Formula** : C<sub>25</sub>H<sub>35</sub>NO<sub>4</sub>S  
**Molecular Weight** : 445.6147  
**Target** : HCV  
**Solubility** : DMSO: ≥ 32 mg/mL



## Biological Activity

Lomibuvir (VX-222, VCH-222) is a potent and selective, nonnucleoside inhibitor of **HCV NS5B** polymerase inhibitor with K<sub>d</sub> of 17 nM.

Lomibuvir inhibits the 1b/Con1 HCV subgenomic replicon with EC<sub>50</sub> of 17 nM, the M423I and A486S variants remain susceptible to VX-222.

Lomibuvir exhibits non-competitive and selective inhibition in HCV NS5B of genotype 1a and 1b, with IC<sub>50</sub> of 0.94 and 1.2 uM, respectively.

Lomibuvir displays fine pharmacokinetic profile in rats and dogs.

## References

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Jiang M, et al. *Antimicrob Agents Chemother*. 2014 Sep;58(9):5456-65.

Di Bisceglie AM, et al. *Eur J Gastroenterol Hepatol*. 2014 Jul;26(7):761-73.

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

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