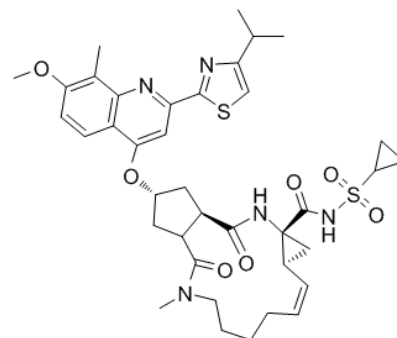


Product Name : Simeprevir
Cat. No. : PC-42480
CAS No. : 923604-59-5
Molecular Formula : C₃₈H₄₇N₅O₇S₂
Molecular Weight : 749.9391
Target : HCV
Solubility : 10 mM in DMSO



Biological Activity

A potent, orally available inhibitor of HCV NS3/4A protease with K_i of 0.36 nM, replicon EC_{50} of 7.8 nM; inhibits NS3/4A proteases of genotypes 1a and 1b with K_i of 0.5 and 0.4 nM, shows synergistic effect with α -Interferon and an NS5B inhibitor in the replicon model and additive with ribavirin; exerts favorable pharmacokinetic profile and antiviral activity in vivo.

HCV Infection
Approved

References

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Lin TI, et al. *Antimicrob Agents Chemother*. 2009 Apr;53(4):1377-85.
Lenz O, et al. *Antimicrob Agents Chemother*. 2010 May;54(5):1878-87.

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

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