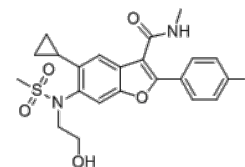


Product Name : Nesbuvir
Cat. No. : PC-20275
CAS No. : 691852-58-1
Molecular Formula : C₂₂H₂₃FN₂O₅S
Molecular Weight : 446.49
Target : HCV
Solubility : 10 mM in DMSO



Biological Activity

Nesbuvir (HCV-796) is a selective, non-nucleoside HCV nonstructural protein 5B (**NS5B**) polymerase inhibitor with IC₅₀ of 0.01-0.14 μM for genotype 1, EC₅₀ of 5 nM and 9 nM against genotype 1a and 1b replicon.

Nesbuvir (HCV-796) showed slow binding kinetics to NS5B with K_d of 71 nM.

Nesbuvir (HCV-796) reduced HCV RNA levels by 3 to 4 log(10) HCV copies/mug total RNA with IC₅₀ of 9 nM in hepatoma cells containing a genotype 1b HCV replicon

Nesbuvir (HCV-796) treatment caused a 2.02 +/- 0.55 log reduction in HCV titer in the chimeric mouse model.

References

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McCown MF, et al. *Antimicrob Agents Chemother.* 2008 May;52(5):1604-12.

Norman M Kneteman, et al. *Hepatology.* 2009 Mar;49(3):745-52.

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

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