

Product Data Sheet

Product Name: Filibuvir
 Cat. No.: GC36045

Chemical Properties

Cas. No. 877130-28-4

SMILES O=C(O1)C(CC2=NN(C(C)=C3)C(N=C3C)=N2)=C(O)C[C@@]1(C4CCCC4)CCC5=CC(CC)=NC(CC)=C5

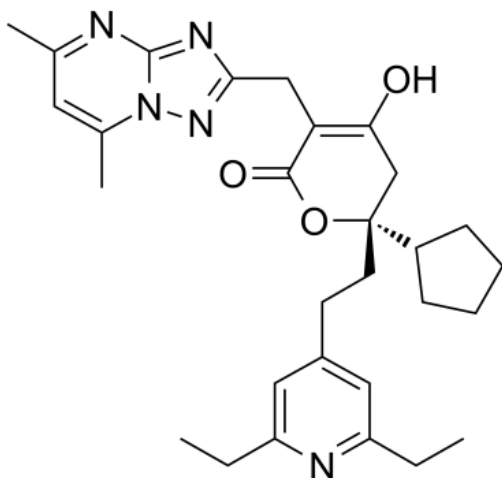
Formula $C_{29}H_{37}N_5O_3$ M.Wt 503.64

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Filibuvir is a potent, selective non-nucleoside inhibitor (NNI) of the HCV nonstructural 5B protein (NS5B) RNA-dependent RNA polymerase, and it binds noncovalently in the "Thumb 2" pocket of NS5B. In vitro, filibuvir is equipotent against genotype 1a and 1b replicons, with an EC₅₀ of 59 nM[1].

[1]. Wagner F, et al. Antiviral activity of the hepatitis C virus polymerase inhibitor filibuvir in genotype 1-infected patients. Hepatology. 2011 Jul;54(1):50-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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