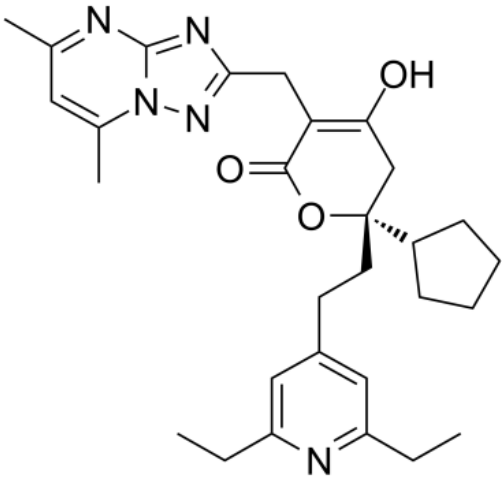
Product Data Sheet

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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