

Product Name : Paritaprevir

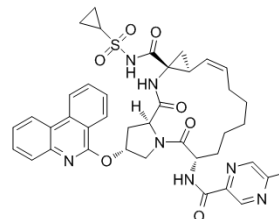
Synonyms : ABT-450; Veruprevir

Cat No. : M10813

CAS Number : 1216941-48-8

Molecular Formula : C₄₀H₄₃N₇O₇S

Formula Weight : 765.88



Chemical Name : Cyclopropa[e]pyrrolo[1,2-a][1,4]diazacyclopentadecine-14a(5H)-carboxamide, N-(cyclopropylsulfonyl)-1,2,3,6,7,8,9,10,11,13a,14,15,16,16a-tetradecahydro-6-[[[(5-methyl-2-pyrazinyl)carbonyl]amino]-5,16-dioxo-2-(6-phenanthridinyloxy)-, (2R,6S,12Z,13aS,14aR,16a

Description : Paritaprevir (ABT-450, Veruprevir) is a potent HCV NS3/4A protease inhibitor with EC₅₀ of 1 and 0.21 nM for HCV GT 1a and 1b, respectively; demonstrates in vitro antiviral activity against HCV GT1-4 and GT6 (EC₅₀=0.09 to 19 nM), and an EC₅₀ of 0.09 nM against GT4a; The combination of paritaprevir, ritonavir, ombitasvir (an NS5A protein inhibitor), and dasabuvir (an NS5B non-nucleoside polymerase inhibitor) with or without RBV has been approved to treat HCV genotype 1 infections. HCV Infection Approved

Pathway : Microbiology/Virology

Target : HCV

Receptor : HCV

Solubility : 10 mM in DMSO

SMILES : O=C([C@]([C@]1([H])C=C1CCCC[C@]([H])2NC(C3=NC=C(C)N=C3)=O)(C1)NC([C@]([C]C@([H])OC4=C5C=CC=CC5=C(C=CC=C6)C6=N4)C7([H])N7C2=O)=O)NS(=O)(C8CC8)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Schnell G, et al. Antimicrob Agents Chemother. 2015 Nov;59(11):6807-15. | 2. Carrion AF, et al. Expert Opin Pharmacother. 2014 Apr;15(5):711-6. | 3. Zeuzem S, et al. N Engl J Med. 2014 Apr 24;370(17):1604-14. | 4. Andreone P, et al. Gastroenterology. 2014 Aug;147(2):359-365.e1.