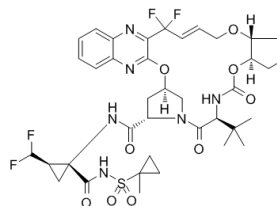


Product Name : Glecaprevir
Synonyms : ABT 493;A 1282576
Cat No. : M11511
CAS Number : 1365970-03-1
Molecular Formula : C₃₈H₄₆F₄N₆O₉S
Formula Weight : 838.87



Chemical Name : (33R,35S,91R,92R,5S,E)-5-(tert-butyl)-N-((1R,2R)-2-(difluoromethyl)-1-(((1-methylcyclopropyl)sulfonyl)carbamoyl)cyclopropyl)-14,14-difluoro-4,7-dioxo-2,8,10-trioxo-6-aza-1(2,3)-quinoxalina-3(3,1)-pyrrolidina-9(1,2)-cyclopentanacyclotetradecaphan-12-ene-3S

Description : Glecaprevir (ABT 493;A 1282576) is a novel HCV NS3/4A protease inhibitor with pan-genotypic activity, inhibits NS3/4A proteases from HCV genotypes 1-6 in vitro with IC₅₀ of 3.5-11.3 nM; inhibits the replication of stable HCV subgenomic replicons genotypes 1-6 with EC₅₀ of 0.21-4.6 nM, has a median EC₅₀ of 0.30 nM (0.05 - 3.8 nM) for HCV replicons containing proteases from 40 HCV genotype 1-5 samples; the combination of ABT-493 and ABT-530 demonstrates potent antiviral activity and acceptable safety in clinical trials with HCV genotype 1 infection. HCV Infection Phase 2 Clinical

Pathway : Microbiology/Virology

Target : HCV

Receptor : HCVNS3/4Aprotease

Solubility : DMSO: 80 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)

SMILES : CC1(CC1)S(=O)(=O)NC(=O)C2(CC2C(F)F)NC(=O)C3CC4CN3C(=O)C(NC(=O)OC5CCCC5OCC=CC(C6=NC7=CC=CC=C7N=C6O4)(F)F)C(C)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Lawitz EJ, et al. Antimicrob Agents Chemother. 2015 Dec 28;60(3):1546-55. | 2. Gane E, et al. Gastroenterology. 2016 Oct;151(4):651-659.e1. | 3. Poordad F, et al. Hepatology. 2017 Aug;66(2):389-397.