

Product Name	: Asunaprevir
Synonyms	: BMS-650032; BMS650032; Asunaprevir
Cat No.	: M18929
CAS Number	: 630420-16-5
Molecular Formula	: C ₃₅ H ₄₆ ClN ₅ O ₉ S
Formula Weight	: 748.29
Chemical Name	: 1,1-dimethylethyl (((1S)-1-(((2S,4R)-4-(7-chloro-4-methoxyisoquinolin-1-yloxy)-2-(((1R,2S)-1-((cyclopropylsulfonyl)carbamoyl)-2-ethenylcyclopropyl)carbamoyl) pyrrolidin-1-yl)carbonyl)-2,2-dimethylpropyl)carbamate
Description	Asunaprevir, also known as BMS-650032, is an inhibitor of the hepatitis C virus enzyme serine protease NS3. Asunaprevir is being tested in combination with pegylated interferon and ribavirin, as well as in interferon-free regimens with other direct-acting antiviral agents including daclatasvir.
Pathway	: JAK/STAT Signaling
Target	: STAT
Receptor	: HCV NS3/4A protease
Solubility	: DMSO : ≥ 42.9 mg/mL; 57.33 mM
SMILES	: <chem>O=C([C@@H](NC(=O)OC(C)(C)C(C)(C)N5C[C@H](Oc1ncc(OC)c2ccc(Cl)cc12)C[C@H]5C(=O)N[C@@]3(C[C@H]3C=C)C(=O)NS(=O)(=O)C4CC4</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Pelosi LA, et al. Effect on HCV Replication by Combinations of Direct Acting Antivirals Including NS5A Inhibitor Daclatasvir. Antimicrob Agents Chemother. 2012 Jul 30.