

Product Name	: Ombitasvir
Synonyms	: ABT-267
Cat No.	: M20637
CAS Number	: 1258226-87-7
Molecular Formula	: C ₅₀ H ₆₇ N ₇ O ₈
Formula Weight	: 894.11
Chemical Name	: L-Prolinamide22'-(((2S5S)-1-(4-(11-dimethylethyl)phenyl)-25-pyrrolidinediyl)di-41-phenylene)bis(N-(methoxycarbonyl)-L-valyl-
Description	Ombitasvir is an orally bioavailable and potent inhibitor of the hepatitis C virus (HCV) non-structural protein 5A (NS5A).with EC50s of 0.82 to 19.3 pM against HCV genotypes 1 to 5 and 366 pM against genotype 6a.(In Vitro):Ombitasvir is active against the genotype 2a JFH-1 replicon, with an EC50 of 0.82 pM, and the EC50s of ombitasvir are 42 pM and 68 pM against the L28 and F28 variants of this genotype 6a replicon, respectively. In GT1a, variants M28V, L31V, and H58D confers 58- to 243-fold resistance to Ombitasvir. Single variants M28T, Q30R, and Y93C/S confers 800- to 8965-fold resistance, while Y93H/N confers >40000-fold resistance to Ombitasvir.
Pathway	: Microbiology/Virology
Target	: HCV
Receptor	: HCV NS5A
Solubility	: DMSO:33 mg/mL (36.91 mM)
SMILES	: <chem>COC(=O)N[C@@H](C(C)C)C(=O)N1CCC[C@H]1C(=O)Nc1ccc(cc1)[C@@H]1CC[C@H](N1c1ccc(cc1)C(C)C)c1ccc(NC(=O)[C@@H]2CCCN2C(=O)[C@@H](NC(=O)OC)C(C)C)cc1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Krishnan P Beyer J Mistry Net al.in vitro and in vivo antiviral activity and resistance profile of ombitasvir an inhibitor of hepatitis c virus ns5a[J].Antimicrob Agents Chemother. 2015 Feb;59(2):979-87.