



Product Information

HCV protease inhibitor Ombitasvir, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ107

Size: 5 mg; 10 mg; 50 mg; 100 mg

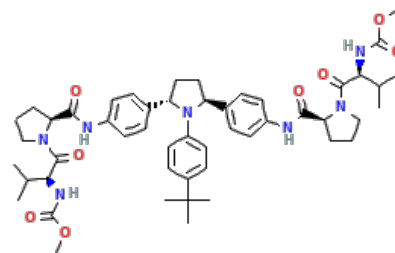
CAS Number: 1258226-87-7

Compound CID: 54767916

Synonym: 1258226-87-7; HCV protease inhibitor; ABT-267; ABT267; ABT 267;

Ombitasvir; Viekira Pak

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Ombitasvir, soluble in DMSO, targets and inhibits the function of the hepatitis C virus protease enzyme.
Molecular Weight	894.11
Molecular Formula	C ₅₀ H ₆₇ N ₇ O ₈
IUPAC Name	Methyl <i>N</i> -[[(2 <i>S</i>)-1-[(2 <i>S</i>)-2-[[4-[(2 <i>S</i> ,5 <i>S</i>)-1-(4- <i>tert</i> -butylphenyl)-5-[4-[[[(2 <i>S</i>)-1-[(2 <i>S</i>)-2-(methoxycarbonylamino)-3-methylbutanoyl]pyrrolidine-2-carbonyl]amino]phenyl]pyrrolidin-2-yl]phenyl]carbamoyl]pyrrolidin-1-yl]-3-methyl-1-oxobutan-2-yl]carbamate
InChI	InChI=1S/C50H67N7O8/c1-30(2)42(53-48(62)64-8)46(60)55-28-10-12-40(55)44(58)51-35-20-14-32(15-21-35)38-26-27-39(57(38)37-24-18-34(19-25-37)50(5,6)7)33-16-22-36(23-17-33)52-45(59)41-13-11-29-56(41)47(61)43(31(3)4)54-49(63)65-9/h14-25,30-31,38-43H,10-13,26-29H2,1-9H3,(H,51,58)(H,52,59)(H,53,62)(H,54,63)/t38-,39-,40-,41-,42-,43-/m0/s1
InChI Key	PIDFDZJZLOTZTM-KHVQSSSXSA-N
Canonical SMILES	<chem>CC(C)C(C(=O)N1CCCC1C(=O)NC2=CC=C(C=C2)C3CCC(N3C4=CC=C(C=C4)C(C)(C)C)C5=CC=C(C=C5)NC(=O)C6CCCN6C(=O)C(C(C)C)NC(=O)OC)NC(=O)OC</chem>
Isomeric SMILES	<chem>CC(C)[C@@H](C(=O)N1CCC[C@H]1C(=O)NC2=CC=C(C=C2)[C@@H]3CC[C@H](N3C4=CC=C(C=C4)C(C)(C)C)C5=CC=C(C=C5)NC(=O)[C@@H]6CCCN6C(=O)[C@H](C(C)C)NC(=O)OC)NC(=O)OC</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 94 mg/mL (105.13 mM)



Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	Ombitasvir is utilized in viral studies as an HCV protease inhibitor, inhibiting the NS5A protein crucial for hepatitis C virus replication.
Storage	Store at -20°C, and keep desiccated.
