

Product Name	: Vaniprevir
Synonyms	: MK-7009;MK7009;MK 7009
Cat No.	: M16617
CAS Number	: 923590-37-8
Molecular Formula	: C ₃₈ H ₅₅ N ₅ O ₉ S
Formula Weight	: 757.94
Chemical Name	: Cyclopropanecarboxamide, N-[[[6-(2-carboxy-2,3-dihydro-1H-isindol-4-yl)-2,2-dimethylhexyl]oxy]carbonyl]-3-methyl-L-valyl-(4R)-4-hydroxy-L-prolyl-1-amino-N-(cyclopropylsulfonyl)-2-ethyl-, (12)-lactone, (1R,2R)-
Description	: A potent, selective, orally available inhibitor of HCV NS3/4A protease with K _i of 0.05 and 0.9 nM for GT1b and 2a protease, respectively; displays excellent selectivity against both a range of human proteases and a broad panel of pharmacologically relevant targets; has replicon EC ₅₀ of 3 and 9 nM for GT1b and 2a, respectively, has good plasma exposure and excellent liver exposure in multiple species.HCV Infection Approved
Pathway	: Microbiology/Virology
Target	: HCV
Receptor	: HCV
Solubility	: 10 mM in DMSO
SMILES	: <chem>CC[C@@H]1C[C@@H]1(C(=O)N(C(=O)C2CC2)C(=O)O)NC([C@@H]3C[C@@H]4CN3C([C@H](C(C)C)C)NC(OCC(C)CCCC5=CC=CC6=C5CN(C(=O)O)C6)C(=O)O)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. McCauley JA, et al. J Med Chem. 2010 Mar 25;53(6):2443-63. | 2. Liverton NJ, et al. Antimicrob Agents Chemother. 2010 Jan;54(1):305-11. | 3. Manns MP, et al. Hepatology. 2012 Sep;56(3):884-93.