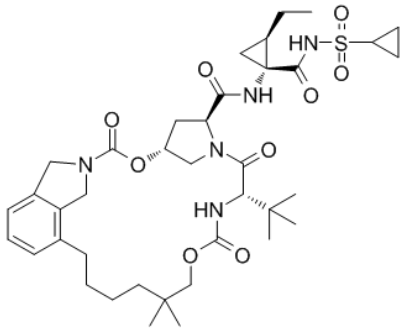
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Vaniprevir
Cat. No.	:	PC-42481
CAS No.	:	923590-37-8
Molecular Formula	:	$C_{38}H_{55}N_5O_9S$
Molecular Weight	:	757.9364
Target	:	HCV
Solubility	:	10 mM in DMSO



Biological Activity

Vaniprevir (MK-7009) is a potent, selective, orally available inhibitor of **HCV NS3/4A** protease with Ki of 0.05 and 0.9 nM for GT1b and 2a protease, respectively.
Vaniprevir (MK-7009) displays excellent selectivity against both a range of human proteases and a broad panel of pharmacologically relevant targets.
Vaniprevir (MK-7009) has replicon EC50 of 3 and 9 nM for GT1b and 2a, respectively, has good plasma exposure and excellent liver exposure in multiple species.

References

McCauley JA, et al. ***J Med Chem.*** 2010 Mar 25;53(6):2443-63.

Liverton NJ, et al. ***Antimicrob Agents Chemother***. 2010 Jan;54(1):305-11.

Manns MP, et al. ***Hepatology***. 2012 Sep;56(3):884-93.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com