

HCV Protease

HCV NS3-4A serine protease is a complex composed of NS3 and its cofactor NS4A. It harbours serine protease as well as NTPase/RNA helicase activities and is essential for viral polyprotein processing, RNA replication and virion formation.

The HCV NS3/4A protease efficiently cleaves and inactivates two important signaling molecules in the sensory pathways that react to HCV pathogen-associated molecular patterns (PAMPs) to induce interferons (IFNs), i.e., mitochondrial antiviral signaling protein (MAVS) and Toll-IL-1 receptor domain-containing adaptor inducing IFN- β (TRIF). HCV infection is associated with chronic liver disease, including hepatic steatosis, fibrosis, cirrhosis, and hepatocellular carcinoma. The NS3-4A serine protease of HCV has been one of the most attractive targets for developing specific antiviral agents against HCV.

HCV Protease Inhibitors & Antagonists

ACH-806

(GS9132) Cat. No.: HY-19512

ACH-806 is an NS4A antagonist which can inhibit Hepatitis C Virus (HCV) replication with an EC_{sn} of 14 nM.



Purity: > 98%

Clinical Data: No Development Reported

Size: 1 mg, 5 mg

AL-611

Cat. No.: HY-145374

AL-611 is an HCV NS5B polymerase inhibitor (EC_{s0} = 5 nM).



Purity: >98%

Clinical Data: No Development Reported

Size: 1 mg, 5 mg

Asunaprevir

(BMS-650032) Cat. No.: HY-14434

Asunaprevir (BMS-650032) is a potent and orally bioavailable hepatitis C virus (HCV) NS3 protease inhibitor, with IC_{50} of 0.2 nM-3.5 nM. Asunaprevir inhibits SARS-CoV-2 3CL^{pro} activity.



Purity: 99.71%
Clinical Data: Launched

Size: 10 mM × 1 mL, 2 mg, 5 mg, 10 mg, 50 mg

AZD-7295

Cat. No.: HY-111087

AZD-7295 is a **HCV NS5A** protein inhibitor, with an EC_{50} of 7 nM for GT-1b replicon.



Purity: >98%

Clinical Data: No Development Reported

Size: 1 mg, 5 mg

BI 653048 phosphate

BI 653048

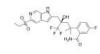
Cat. No.: HY-12946

BI 653048 is a selective and orally active nonsteroidal **glucocorticoid** (GC) agonist with an IC $_{50}$ value of 55 nM. BI 653048 inhibits CP1A2, CYP2D6, CYP2C9, CYP2C19 and CYP3A4 isoforms' activity and reduces affinity for the hERG ion channel (IC $_{50}$ >30 μ M).

>98%

1 mg, 5 mg

Clinical Data: Phase 1



Purity: Clinical Data



BI 653048 phosphate is a selective and orally active nonsteroidal **glucocorticoid** (GC) agonist with an IC₅₀ value of 55 nM.



Purity: >98%
Clinical Data: Phase 1
Size: 1 mg, 5 mg

BI-1230

Purity:

Size:

Cat. No.: HY-126973

BI-1230 is potent and digit nanomolar inhibitor of HCV NS3 protease and of viral replication. BI-1230 is also highly selective against other serine/cysteine proteases. BI-1230 shows good Pharmacokinetic(PK) activity.



Purity: >98%

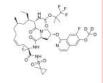
Clinical Data: No Development Reported

Size: 1 mg, 5 mg

BMS-986144

Cat. No.: HY-131905S

BMS-986144 is a third-generation, pan-genotype (GT) NS3/4A protease inhibitor. BMS-986144 inhibits HCV replicon with EC $_{50}$ s of 2.3, 0.7, 1.0, 12, 8.0, and 5.8 nM for GT-1a, GT-1b, GT-2a, GT-3a, 1a R155X, and 1b D168V, respectively.



Purity: >98%

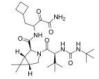
Clinical Data: No Development Reported

Size: 1 mg, 5 mg

Boceprevir

(EBP 520; SCH 503034) Cat. No.: HY-10237

Boceprevir (EBP 520) is a potent, highly selective, orally bioavailable HCV NS3 protease inhibitor with a K₁ of 14 nM in both enzyme assay and an EC $_{90}$ of 350 nM in cell-based replicon assay. Boceprevir inhibits SARS-CoV-2 3CL $^{\rm pro}$ activity.



Purity: 97.81%
Clinical Data: Launched

Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg, 200 mg

Boceprevir-d9

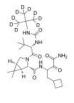
(EBP 520-d9; SCH 503034-d9)

Boceprevir-d9 (EBP 520-d9) is the deuterium labeled Boceprevir. Boceprevir (EBP 520) is a potent, highly selective, orally bioavailable HCV NS3 protease inhibitor with a $\rm K_i$ of 14 nM in both enzyme assay and an EC $_{\rm 90}$ of 350 nM in cell-based replicon assay.



Clinical Data: No Development Reported

Size: 1 mg, 5 mg



Cat. No.: HY-10237S

Ciluprevir

(BILN 2061; BILN 2061ZW) Cat. No.: HY-10242

Ciluprevir(BILN 2061) is a specific and potent peptidomimetic inhibitor of the HCV NS3 protease with an IC₅₀ of 3.0 nM.



Cat. No.: HY-30234A

>98% Purity:

Clinical Data: No Development Reported

Clemizole hydrochloride is an H1 histamine

receptor antagonist, is found to substantially

inhibit HCV replication. Clemizole hydrochloride

Size: 1 mg, 5 mg

Clemizole hydrochloride

is an inhibitor of TRPC5 channel.



Coblopasvir

replication is 8 µM.

Clinical Data: Launched

Purity:

Size:

Purity:

Clemizole

(KW-136) Cat. No.: HY-117411

Coblopasvir (KW-136) is a pangenotypic non-structural protein 5A (NS5A) inhibitor. Coblopasvir can be used for research of chronic hepatitis C virus infection.

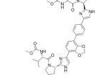
>98% Clinical Data: No Development Reported

Clemizole is an H1 histamine receptor

1 mg, 5 mg

antagonist, is found to substantially inhibit HCV replication. Clemizole is an inhibitor of TRPC5

channel. The IC_{50} of Clemizole for RNA binding by NS4B is 24±1 nM, whereas its EC_{50} for viral



Cat. No.: HY-30234

Purity: 99 99% Clinical Data: Launched

10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

Coblopasvir dihydrochloride

(KW-136 dihydrochloride) Cat. No.: HY-117411A

Coblopasvir (KW-136) dihydrochloride is a pangenotypic non-structural protein 5A (NS5A) inhibitor. Coblopasvir dihydrochloride can be used for research of chronic hepatitis C virus infection.



Purity: 98.45%

Clinical Data: No Development Reported Size: 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

Dehydrojuncusol

Dehydrojuncusol, a potent HCV inhibitor, targets HCV NS5A and is able to inhibit RNA replication of replicons harboring resistance mutations to anti-NS5A direct-acting antivirals.



Cat. No.: HY-N8188

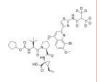
>98% Purity:

Faldaprevir-d6

Clinical Data: No Development Reported 5 mg, 10 mg, 25 mg Size:

Cat. No.: HY-15256S

Faldaprevir-d6 is deuterium labeled Faldaprevir.



Purity: >98%

No Development Reported Clinical Data:

1 mg, 5 mg Size:

Danoprevir

(ITMN-191; R7227; RO5190591; RG7227) Cat. No.: HY-10238

5 mg, 10 mg, 25 mg, 50 mg, 100 mg

Danoprevir (ITMN-191) is an orally active NS3/4A protease inhibitor for hepatitis C virus (HCV) with an IC_{so} of 0.29 nM and is selective for NS3/4A over a panel of 53 proteases (IC₅₀ higher than 10 μM).



98 04% Purity: Clinical Data: Launched

Size $10~\text{mM}\times1~\text{mL},\,5~\text{mg},\,10~\text{mg},\,50~\text{mg},\,100~\text{mg}$

Faldaprevir (BI 201335)

Faldaprevir (BI 201335) is a potent, orally active and selective noncovalent inhibitor of NS3/4A protease of HCV (hepatitis C virus) genotypes 1a and 1b, with K, values of 2.6 and 2.0 nM, respectively.



Cat. No.: HY-15256

Purity: >98% Clinical Data: Phase 3 Size: 1 mg, 5 mg

Glecaprevir (ABT-493)

Glecaprevir is a novel HCV NS3/4A protease inhibitor, with IC_{50} values ranging from 3.5 to 11.3 nM. Glecaprevir is also a SARS-CoV 3CLpro inhibitor with an IC_{s0} of 4.09 $\mu M.$



Cat. No.: HY-17634

99.93% Clinical Data: Launched

10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

Grazoprevir

(MK-5172) Cat. No.: HY-15298

Grazoprevir (MK-5172) is a selective inhibitor of Hepatitis C virus NS3/4a protease with broad activity across genotypes and resistant variants, with K_is of 0.01 nM (gt1b), 0.01 nM (gt1a), 0.08 nM (gt2a), 0.15 nM (gt2b), 0.90 nM (gt3a), respectively.

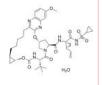
Purity: 99 98% Clinical Data: Launched

Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

Grazoprevir hydrate

(MK-5172 hydrate)

Grazoprevir hydrate (MK-5172 hydrate) is a selective inhibitor of Hepatitis C virus NS3/4a protease with broad activity across genotypes and resistant variants, with K_is of 0.01 nM (gt1b), 0.01 nM (gt1a), 0.08 nM (gt2a), 0.15 nM (gt2b), 0.90 nM (gt3a), respectively.



Cat. No.: HY-15298B

Purity: 99 10% Clinical Data: Launched

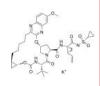
Size:

10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

Grazoprevir potassium salt

(MK-5172 potassium salt)

Grazoprevir potassium salt (MK-5172 potassium salt) is a selective inhibitor of Hepatitis C virus NS3/4a protease with broad activity across genotypes and resistant variants, with K.s of 0.01 nM (gt1b), 0.01 nM (gt1a), 0.08 nM (gt2a), 0.15 nM (gt2b), 0.90 nM (gt3a), respectively.



Cat. No.: HY-15298A

Purity: 99 40% Clinical Data: Launched

10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg Size:

Grazoprevir sodium salt

(MK-5172 sodium salt)

Grazoprevir sodium salt (MK-5172 sodium salt) is a selective inhibitor of **Hepatitis C virus NS3/4a** protease with broad activity across genotypes and resistant variants, with K_is of 0.01 nM (gt1b), 0.01 nM (gt1a), 0.08 nM (gt2a), 0.15 nM (gt2b), 0.90 nM (gt3a), respectively.





Cat. No.: HY-15298C

GSK2818713

Cat. No.: HY-145335

GSK2818713 is a novel Hepatitis C NS5A replication complex inhibitor.



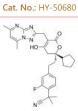
Purity: >98%

Clinical Data: No Development Reported

Size: 1 mg, 5 mg

HCVP-IN-1

HCVP-IN-1 (compound 1) is a hepatitis C viral polymerase (HCVP) inhibitor.



>98% Purity:

Clinical Data: No Development Reported

Size 1 mg, 5 mg

Hepatitis Virus C NS3 Protease Inhibitor 2

Cat. No.: HY-P2502

Hepatitis Virus C NS3 Protease Inhibitor 2 is a product-based peptide inhibitor of hepatitis C virus (HCV) NS3 protease, with a K, of 41 nM.

Ac-DE-{Dif}-E-{Cha}-C

HZ-1157

HZ-1157 inhibits HCV NS3/4A protease with an IC_{so} of 1.0 μmol/L. HZ-1157 (4a) has a high dengue virus inhibitory activity (EC $_{50}$ = 0.15 μ M) and is a relatively nontoxic ($CC_{50} > 10 \mu M$) dengue antiviral agent.



Cat. No.: HY-109571

98.75% Purity:

Clinical Data: No Development Reported

10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

Clinical Data: No Development Reported

Size:

>98%

1 mg, 5 mg

IDX184

Purity:

Cat. No.: HY-19558

IDX184 is a potent and orally bioavailable inhibitor of HCV replication. IDX184 potently inhibits HCV polymerase (IC_{so}=0.31 μ M, K_i=52.3 nM).



Purity: >98%

Clinical Data: No Development Reported

Size: 1 mg, 5 mg

Isoeuphorbetin

Isoeuphorbetin, a dimeric coumarin isolated from Viola philippica, is a potent HCV protease inhibitor with an IC_{50} of 3.63 µg/mL.



Cat. No.: HY-N7672

Purity: >98%

Clinical Data: No Development Reported

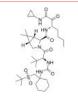
1 mg

Tel: 609-228-6898 Fax: 609-228-5909 Email: sales@MedChemExpress.com

Narlaprevir

(SCH 900518) Cat. No.: HY-10300

Narlaprevir (SCH 900518) is a selective and orally bioavailable NS3 protease inhibitor with a $\rm K_i$ value of 6 nM and an EC $_{\rm 90}$ value of 40 nM. Narlaprevir also inhibits the HCV nonstructural protein 3 serine protease.

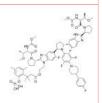


Purity: 98.15% Clinical Data: Phase 3

Size: 10 mM × 1 mL, 10 mg, 50 mg, 100 mg

NS5A-IN-1

NS5A-IN-1 is a prodrug of the **HCV NS5A** inhibitor Pibrentasvir (ABT-530).



Cat. No.: HY-145375

Purity: >98%

Clinical Data: No Development Reported

Size: 1 mg, 5 mg

NS5A-IN-2

Cat. No.: HY-115981

NS5A-IN-2 (Compound 33) is a potent inhibitor of NS5A. NS5A-IN-2 has extremely high potency against HCV genotype 1b, improved activity against genotype 3a (GT 3a) and good metabolic stability.



Purity: > 98%

Clinical Data: No Development Reported

Size: 1 mg, 5 mg

NS5A-IN-3

Cat. No.: HY-115982

NS5A-IN-3 (Compound 15) is a potent inhibitor of NS5A. NS5A-IN-3 has extremely high potency against HCV genotype 1b, improved activity against genotype 3a (GT 3a) and good metabolic stability. NS5A-IN-3 exhibits a higher resistance barrier than daclatasvir against genotype 1b.

Purity: >98%

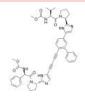
Clinical Data: No Development Reported

Size: 1 mg, 5 mg

NS5A-IN-4

Cat. No.: HY-146126

NS5A-IN-4 (Compound 1.12) is an orally active pan-genotypic hepatitis C virus (HCV) NS5A inhibitor with IC $_{50}$ values of 1.2, 2296, 4.6, 362, 10.3 and 693 pM against gT1b, gT1a, gT2a, gT3a, gT4a and gT5a.



Purity: >98%

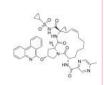
Clinical Data: No Development Reported

Size: 1 mg, 5 mg

Paritaprevir

(ABT-450; Veruprevir) Cat. No.: HY-12594

Paritaprevir (ABT-450) is a potent non-structural protein 3/4A (NS3/4A) protease inhibitor with EC $_{50}$ s of 1 and 0.21 nM against HCV 1a and 1b, respectively. Paritaprevir is also a SARS-CoV 3CL pro inhibitor with an IC $_{50}$ of 1.31 μM .



Purity: 99.89% Clinical Data: Launched

Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

Samatasvir

(IDX719; IDX18719) Cat. No.: HY-16784

Samatasvir (IDX71) is a potent, orally active NS5A inhibitor of HCV replication. Samatasvir is effective and selective against infectious HCV and replicons, with EC_{50} s falling within a tight range of 2 to 24 pM in genotype 1 through 5 replicons.



Purity: 99.39%

Clinical Data: No Development Reported
Size: 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

Simeprevir

(TMC435) Cat. No.: HY-10241

Simeprevir (TMC435) is an oral and potent HCV NS3/4A protease inhibitor with a K_i of 0.36 nM. Simeprevir inhibits HCV replication with an EC $_{50}$ of 7.8 nM. Simeprevir inhibits SARS-CoV-2 3CL $^{\rm pro}$ activity.



Purity: 99.46% Clinical Data: Launched

Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

Simeprevir-13C,d3

(TMC435-13C,d3) Cat. No.: HY-10241S

Simeprevir-13C,d3 (TMC435-13C,d3) is the 13C- and deuterium labeled Simeprevir. Simeprevir (TMC435) is an oral and potent HCV NS3/4A protease inhibitor with a K_i of 0.36 nM. Simeprevir inhibits HCV replication with an EC_{50} of 7.8 nM. Simeprevir inhibits SARS-CoV-2 3CL^{pro} activity.



Purity: >98%

Clinical Data: No Development Reported

Size: 1 mg, 5 mg

Telaprevir

(VX-950) Cat. No.: HY-10235

Telaprevir (VX-950) is a highly selective, reversible, and potent peptidomimetic inhibitor of the HCV NS3-4A protease, the steady-state inhibitory constant (K_i) of Telaprevir is 7 nM against a genotype 1 (H strain) NS3 protease domain plus a NS4A cofactor peptide.



Size: 10 mM × 1 mL, 10 mg, 50 mg, 100 mg



Telaprevir-d4

(VX-950-d4) Cat. No.: HY-10235S

Telaprevir-d4 (VX-950-d4) is the deuterium labeled Telaprevir.

XXXXX

Purity: >98%

Clinical Data: No Development Reported

Size: 1 mg, 5 mg

Valopicitabine

(NM283) Cat. No.: HY-108060

Valopicitabine (NM283) is a nucleoside analog and the orally bioavailable prodrug of the potent anti-HCV agent 2'-C-methylcytidine (NM107). NM107competitively inhibits NS5B polymerase, causing chain termination.

OH ON NH2

Purity: >98% Clinical Data: Phase 2

Size: 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

Valopicitabine dihydrochloride

(NM283 dihydrochloride) Cat. No.: HY-108060A

Valopicitabine (NM283) dihydrochloride is a nucleoside analog and the orally bioavailable prodrug of the potent anti-HCV agent 2'-C-methylcytidine (NM107). NM107competitively inhibits NSSB polymerase, causing chain termination.



Purity: 98.68%

Clinical Data: No Development Reported
Size: 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

Vaniprevir

(MK-7009) Cat. No.: HY-10243

Vaniprevir (MK-7009) is a non-covalent competitive inhibitor of the hepatitis C virus (HCV) NS3/4A protease.



Purity: 99.60%
Clinical Data: Launched
Size: 1 mg, 5 mg

Voxilaprevir

(GS-9857) Cat. No.: HY-19840

Voxilaprevir (GS-9857) is a noncovalent, reversible inhibitor of HCV NS3/4A protease inhibitor (PI) with pangenotypic antiviral activity. Voxilaprevir inhibits genotype 1b and 3a wild-type NS3 proteases with K₁ values of 0.038 nM and 0.066 nM, respectively.



Purity: 99.67%
Clinical Data: Launched
Size: 5 mg, 10 mg

6

Tel: 609-228-6898

Fax: 609-228-5909

Email: sales@MedChemExpress.com