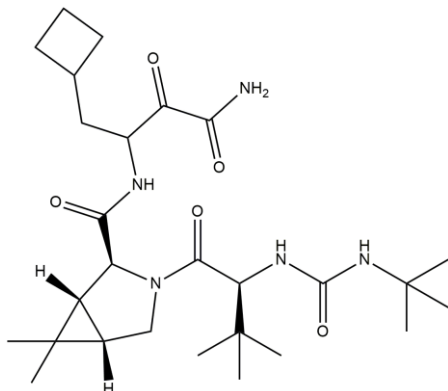


# Boceprevir

**ALTERNATE NAMES:** (1R,2S,5S)-N-(4-amino-1-cyclobutyl-3,4-dioxobutan-2-yl)-3-[(2S)-2-(tert-butylcarbamoylamino)-3,3-dimethylbutanoyl]-6,6-dimethyl-3-azabicyclo[3.1.0]hexane-2-carboxamide; Victrelis; (1S,4S,5R)-N-[3-amino-1-(cyclobutylmethyl)-2,3-dioxo-propyl]-3-[(2S)-2-(tert-butylcarbamoylamino)-3,3-dimethylbutanoyl]-6,6-dimethyl-3-azabicyclo[3.1.0]hexane-4-carboxamide; SCH 503034

**CATALOG #:** B2961-5 5 mg  
B2961-25 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>27</sub>H<sub>45</sub>N<sub>5</sub>O<sub>5</sub>

**MOLECULAR WEIGHT:** 519.68

**CAS NUMBER:** 394730-60-0

**APPEARANCE:** Solid

**PURITY:** >98%

**SOLUBILITY:** ~16 mg/ml in DMSO  
~25 mg/ml in ethanol and DMF

**DESCRIPTION:** Boceprevir is a protease inhibitor that binds to the catalytic site (Ser139) of hepatitis C virus (HCV) nonstructural protein 3/4A (NS3/4A), a serine protease that is essential for viral replication, with a K<sub>i</sub> of 14 nM. It inhibits the NS3/4A protease in an in vitro HCV replicon system with an EC<sub>50</sub> value of 200 nM. It was approved for the treatment of genotype 1 Chronic hepatitis C.

**STORAGE TEMPERATURE:** -20°C. Store in the dark. Product is light sensitive. Protect from air. Store under desiccating conditions.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**REFERENCES:**

1. Malcolm, B.A., Liu, R., Lahser, F., et al. SCH 503034, a mechanism-based inhibitor of hepatitis C virus NS3 protease, suppresses polyprotein maturation and enhances the antiviral activity of alpha interferon in replicon cells. *Antimicrobial Agents and Chemotherapy* 50(3), 1013-1020 (2006).
2. Trembling, P.M., Tanwar, S., and Dusheiko, G.M. Boceprevir: An oral protease inhibitor for the treatment of chronic HCV infection. *Expert Rev. Anti-Infect. Ther.* 10(3), 269-279 (2012).

**RELATED PRODUCTS:**

Telaprevir (Cat. No. B1235)  
 Ledipasvir (Cat No. B2338)  
 Glecaprevir (Cat. No. B2347)  
 Clemizole (Cat. No. 2481)  
 Pibrentasvir (Cat. No. B2168)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*