Boceprevir

ALTERNATE NAMES: \((1R,2S,5S)-N-(4\text{-amino-1-cyclobutyl-3,4-dioxobutan-2-yl})-3\text{-}[(2S)-2\text{-}(\text{tert-buty}l\text{carbamo}y)l\text{mino}]\text{-}3,3\text{-dimethylbutanoyl}]\text{-}6,6\text{-dimethyl-3-azabicyclo}[3.1.0]\text{hexane-2-carboxamide}; \text{V}ictrelis; \((1S,4S,5R)-N\text{-}[3\text{-}amino-1\text{-}(\text{cyclobutylmethyl})\text{-}2,3\text{-dioxo-propyl}]\text{-}3\text{-}[(2S)-2\text{-}(\text{tert-buty}l\text{carbamo}y)l\text{mino}]\text{-}3,3\text{-dimethylbutanoyl}]\text{-}6,6\text{-dimethyl-3-azabicyclo}[3.1.0]\text{hexane-4-carboxamide}; \text{SCH} \text{ 503034}

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

STRUCTURE:

MOLECULAR FORMULA: \(C_{27}H_{45}N_{5}O_{5}\)

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 \(K_{i}\) of 14 nM. It inhibits the NS3/4A protease in an in vitro HCV replicon system with an \(EC_{50}\) value of 200 nM. It was approved for the treatment of genotype 1 Chronic hepatitis C.

STORAGE TEMPERATURE: -20ºC. 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:

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.