

Product Name	: Deleobuvir
Synonyms	: BI 207127;BI207127;BI-207127
Cat No.	: M16258
CAS Number	: 863884-77-9
Molecular Formula	: C ₃₄ H ₃₃ BrN ₆ O ₃
Formula Weight	: 653.58
Chemical Name	: (E)-3-(2-(1-(2-(5-bromopyrimidin-2-yl)-3-cyclopentyl-1-methyl-1H-indole-6-carboxamido)cyclobutyl)-1-methyl-1H-benzo[d]imidazol-6-yl)acrylic acid
Description	Deleobuvir (BI-207127, BI207127) is a potent, selective HCV NS5B polymerase inhibitor with IC₅₀ of 50 nM against GT-1 HCV polymerase activity; demonstrates subgenomic antiviral activity against GT1b and GT1a with EC₅₀ of 11 and 23 nM in cell-based replicon assays; shows weak or no inhibition in specificity assays that include poliovirus RdRp, mammalian DdRp II, and DNA polymerase α, β, and γ; displays good antiviral potency and tolerability in early clinical trials of short-term treatment either as a single agent or in combination with pegylated IFN-α2a/ribavirin in HCV GT1 patients. HCV Infection Phase 3 Clinical
Pathway	: Microbiology/Virology
Target	: HCV
Receptor	: HCV
Solubility	: —
SMILES	: <chem>O=C(O)/C=C/C1=CC=C2N=C(C(C3NC(C4=CC5=C(C=C4)C(C6CCCC6)=C(C7=NC=C(Br)C=N7)N5C)=O)CCC3)N(C)C2=C1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Zeuzem S, et al. Gastroenterology. 2011 Dec;141(6):2047-55; quiz e14. | 2. Zeuzem S, et al. Antivir Ther. 2013;18(8):1015-9. | 3. Larrey D, et al. Antimicrob Agents Chemother. 2013 Oct;57(10):4727-35. | 4. LaPlante SR, et al. J Med Chem. 2014 Mar 13;57(5):1845-54.