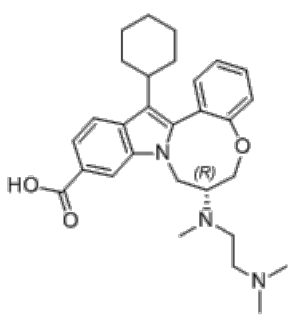


Product Name	: MK-3281	
Synonyms	: MK3281	
Cat No.	: M16413	
CAS Number	: 886041-60-7	
Molecular Formula	: C ₂₉ H ₃₇ N ₃ O ₃	
Formula Weight	: 475.63	
Chemical Name	(7R)-14-Cyclohexyl-7-[[2-(dimethylamino)ethyl](methyl)amino]-7,8-dihydro-6H-indolo[1,2-e][1,5]benzoxazocine-11-carboxylic acid	
Description	MK-3281 is a potent and orally bioavailable inhibitor of HCV NS5B polymerase with IC ₅₀ of 6 nM; MK-3281 is an equally potent inhibitor of gt 1a (EC ₅₀ =28 nM), 1b BK (EC ₅₀ =9 nM), and 3a (EC ₅₀ =37 nM) replicons, shows 2 orders of magnitude less active on 2a (EC ₅₀ =2018 nM) and 2b (EC ₅₀ =1833 nM) replicons; demonstrates consistent decrease in viremia in vivo using the chimeric mouse model of HCV infection. HCV Infection Phase 1 Discontinued	
Pathway	: Microbiology/Virology	
Target	: HCV	
Receptor	: HCV	
Solubility	: —	
SMILES	<chem>O=C(C1=CC2=C(C=C1)C(C3CCCCC3)=C4N2CC(N(CCN(C)C)C)COC5=CC=CC=C5)O</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Narjes F, et al. J Med Chem. 2011 Jan 13;54(1):289-301.