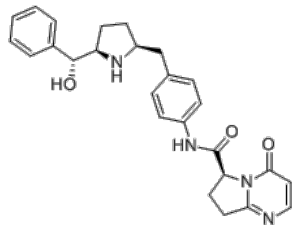


Product Name	: MK-4618	
Synonyms	: MK 4618;MK4618;Vibegron;KRP-114V;RVT-901	
Cat No.	: M10653	
CAS Number	: 1190389-15-1	
Molecular Formula	: C ₂₆ H ₂₈ N ₄ O ₃	
Formula Weight	: 444.54	
Chemical Name	(S)-N-(4-(((2S,5R)-5-((R)-hydroxy(phenyl)methyl)pyrrolidin-2-yl)methyl)phenyl)-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidine-6-carboxamide	
Description	A potent and selective full β_3 adrenergic receptor agonist with EC ₅₀ of 1.1 nM; displays no activity for β_1 and β_2 receptors (EC ₅₀ >20 μ M); dose-dependently increases bladder capacity, decreased micturition pressure, and increased bladder compliance in rhesus monkeys, dose-dependently increases the circulating glycerol and fatty acid levels in rhesus and rat in vivo; shows the potential for treatment of overactive bladder with M2/M3 antimuscarinics. Other Indication Phase 3 Clinical	
Pathway	: Angiogenesis	
Target	: Adrenergic Receptor	
Receptor	: Adrenergic Receptor	
Solubility	: —	
SMILES	<chem>O=C([C@@H]1CCC2=NC=CC(N21)=O)NC3=CC=C(C[C@H]4N[C@@H]([C@H](O)C5=CC=CC=C5)CC4)C=C3</chem>	
Storage	: (-20°C)	
Stability	: $\geq$ 2 years	
Reference	:	

1. Edmondson SD, et al. J Med Chem. 2016 Jan 28;59(2):609-23. | 2. Di Salvo J, et al. J Pharmacol Exp Ther. 2017 Feb;360(2):346-355.