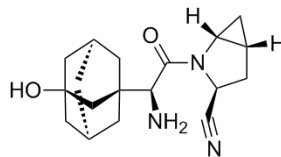


Product Name	: Saxagliptin
Synonyms	: BMS-477118;BMS 477118;BMS477118
Cat No.	: M14240
CAS Number	: 361442-04-8
Molecular Formula	: C ₁₈ H ₂₅ N ₃ O ₂
Formula Weight	: 315.41
Chemical Name	: 2-Azabicyclo[3.1.0]hexane-3-carbonitrile, 2-[(2S)-2-amino-2-(3-hydroxytricyclo[3.3.1.1 ^{3,7}]dec-1-yl)acetyl]-, (1S,3S,5S)-
Description	: A highly potent, long-acting, orally active DPP4 inhibitor with K _i of 0.6 nM; shows no CYP3A4 inhibition up to 100 uM, and good oral exposure. Diabetes Approved
Pathway	: Metabolic Enzyme/Protease
Target	: DPP
Receptor	: DPP-4
Solubility	: DMSO: ≥ 34 mg/mL
SMILES	: C1C2CC2N(C1C#N)C(=O)C(C34CC5CC(C3)CC(C5)(C4)O)N
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Augeri DJ, et al. J Med Chem. 2005 Jul 28;48(15):5025-37. | 2. Kim YB, et al. Arch Biochem Biophys. 2006 Jan 1;445(1):9-18. | 3. Ikeda J, et al. J Pharmacol Sci. 2016 Sep;132(1):65-70.