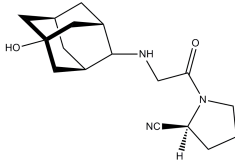


**RELATED PRODUCTS:****PRODUCT: Vildagliptin****ALTERNATE NAME:** (S)-1-[N-(3-hydroxy-1-adamantyl)glycyl]pyrrolidine-2-carbonitrile**CATALOG #:** 2188-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>17</sub>H<sub>25</sub>N<sub>3</sub>O<sub>2</sub>**MOLECULAR WEIGHT:** 303.40**CAS NUMBER:** 274901-16-5**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO or H<sub>2</sub>O**PURITY:** ≥98%**STORAGE:** Store at -20 °C. Protect from air and moisture**DESCRIPTION:** An antidiabetic agent. A potent inhibitor of dipeptidyl peptidase IV (DPP IV), an enzyme that breaks down Glucagon-like peptide 1 (GLP-1). By delaying the degradation of GLP-1, vildagliptin extends the action of insulin while also suppressing the release of glucagon. This leads to a reduction in elevated blood glucose levels (hyperglycemia), which is a characteristic feature of type 2 diabetes.**REFERENCE:** He, Y.-L. (2012). *Clinical Pharmacokinetics* **51**, 147-162.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**