

PRODUCT: Extendin-4 (acetate)**ALTERNATE NAMES:** Exenatide Acetate**CATALOG NUMBER:** B2106-1,5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₈₄H₂₈₂N₅₀O₆₀S • C₂H₄O₂**MOLECULAR WEIGHT:** 4246.6**CAS NUMBER:** 914454-01-6**APPEARANCE:** Crystalline solid**SOLUBILITY:** PBS, pH 7.2 (~ 3 mg/ml)**PURITY:** ≥98%**STORAGE:** Store at -20 °C. Protect from air and moisture

DESCRIPTION: Extendin-4 acetate, a 39 amino acid peptide, is a long-acting glucagon-like peptide-1 receptor agonist (IC₅₀ = 3.22 nM). By activating the GLP-1 receptor, it stimulates glucose-induced insulin secretion in isolated rat islets and proinsulin expression in mouse insulinoma βTC-1 cells, supporting efficacy in type 2 diabetes.

REFERENCE: Donnelley, D. (2012). *Br. J. Pharmacol.* **166**, 27-41.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Chlorpropamide (**Cat. No. B2105-100, 500**)Dipeptidylpeptidase IV, Human Plasma (**Cat. No. 4709-10**)Dipeptidylpeptidase IV, Human Recombinant (**Cat. No. 4710-10, 50, 1000**)Dipeptidylpeptidase IV Inhibitor, K 579 (**Cat. No. 1963-1, 5**)Dipeptidylpeptidase IV Inhibitor, NVP DPP 728 (**Cat. No. 1964-1, 5**)Diprotin A (**Cat. No. 2191-5, 25**)Diprotin B (**Cat. No. 2192-5, 25**)DiscoveryPak™ DPP-4 Inhibitors Set (**K890-5**)DPP4 Activity Assay Kit (**Cat. No. K779-100**)DPP4 Inhibitor Screening Kit (**Cat. No. K780-100**)Extedin-4 (acetate) (**Cat. No. B2106-1,5**)Linagliptin (**Cat. No. 2240-50, 250**)MK-3102 (**Cat. No. 9599-1,5**)Sitagliptin Phosphate Monohydrate (**Cat. No. 1757-100, 1G**)Stevioside hydrate (**Cat. No. B1242-5,25**)Vlidagliptin (**Cat. No. 2188-10, 50**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**