9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Exenatide

Exenatide
HRM0028

Product Overview

Name	Exenatide
Description	
Exenatide	
Accession (Primary)	P26349
Synonyms	
Exendin-4.	
Introduction	
Exenatide Derived from the saliva of the gila monster, is a 39 amino acid peptide that mimics the GLP-1 incretin, an insulin secretagogue with glucoregulatory effects. Typical responses to exenatide include improvements in the initial rapid release of endogenous insulin, suppression of glucagon release by the pancreas, regulation of gastric empyting, and reduced appetite - all of which function to lower blood glucose. Exenatide is self-regulating in that it lowers blood sugar when levels are elevated but does not continue to lower blood sugar when levels return to normal, unlike with sulfonylureas or insulins.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The Exenatide peptide was lyophilized from a concentrated solution with no additives.	
Stability	
Lyophilized Exenatide although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Exenatide should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 99.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
H-His-Gly-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Leu-Ser-Lys-Gln-Met-Glu-Glu-Glu-Ala-Val-Arg-Leu-Phe-Ile-Glu-Trp-Leu-Lys-Asn-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH2.	
Solubility	
It is recommended to reconstitute the lyophilized Exenatide in sterile 18MΩ-cm H2O not less than 100 µg/ml, which	

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can then be further diluted to other aqueous solutions.

Precautions

Exenatide is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P26349)