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Pramlintide

Catalog #:HOPS-307

For research use only.

Description: Pramlintide Synthetic is a single, non-glycosylated polypeptide chain containing 37 amino acids, having a molecular mass of 3949.4 Dalton and a Molecular formula of C171H267N51O53S2.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence:KCNTATCATNRLANFLVHSSNNFGPILPPTNVGSNTY-NH2.

Purity: Greater than 98.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Formulation:
The protein was lyophilized with no additives.

Stability:
Lyophilized Pramlintide althoμgh stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Pramlintide 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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:
It is recommended to reconstitute the lyophilized Pramlintide in sterile 18M-cm H2O not less than 100 μg/ml, which can then be further diluted to other aqueous solutions. The Pramlintide is also soluble in 1% Acetic Acid.

Introduction:
Pramlintide acetate is a hormone that is released into the bloodstream, in a similar pattern as insulin. Pramlintide aids in the absorption of glucose by slowing gastric emptying, promoting satiety, and inhibiting inappropriate secretion of glucagon, a catabolic hormone that opposes the effects of insulin.

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