

Pramlintide

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.

Catalog #: HOPS-307

For research use only.

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 although 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 drugs, 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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