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Pramlintide

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HRM0083

Product Overview

Name	Pramlintide

Description

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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.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

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.

Purity

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

Amino acid sequence

KCNTATCATNRLANFLVHSSNNFGPILPPTNVGSNTY-NH2.

Solubility

It is recommended to reconstitute the lyophilized Pramlintide in sterile 18MΩ-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.

Precautions

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