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

Lanreotide

Lanreotide
HRM0063

Product Overview

Name	Lanreotide

Description

Lanreotide

Introduction

Lanreotide is a peptide inhibitor of a number of endocrine, neuroendocrine, exocrine and paracrine functions. It shows good affinity for peripheral somatostatin receptors (anterior pituitary and pancreatic). In contrast, its affinity for central receptors is much lower. This profile confers a good specificity of action at the level of growth hormone and digestive hormone secretion. Lanreotide shows a much longer duration of action than natural somatostatin. In addition, its marked selectivity for the secretion of growth hormone, compared to that of insulin, makes it a suitable candidate for the treatment of acromegaly. By inhibiting the synthesis of thyroid stimulating hormone (TSH), lanreotide also normalised thyroid function of patients with thyrotrophin secreting adenomas in 50% (8/16) of the per-protocol population treated for 6 months. There was no significant reduction in the size of the adenoma. Furthermore, the inhibitory action of lanreotide on intestinal exocrine secretion, d

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The protein (1mg/ml) was lyophilized with 5mg manntitol and 0.04mg tween-80.

Stability

Lyophilized Lanreotide although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Lanreotide 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.

Solubility

It is recommended to reconstitute the lyophilized Lanreotide in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

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

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