
Product Data Sheet

Product Name: Lanreotide
 Cat. No.: GP21272
 Batch No.: 1

Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Solubility	It is recommended to reconstitute the lyophilized Lanreotide in sterile 18MΩ-cm H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The protein (1mg/ml) was lyophilized with 5mg mannitol and 0.04mg tween-80.		

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

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

Lanreotide is an octapeptide, an analogue of a naturally occurring hormone, somatostatin.

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