

## Octreotide Human

### Product Data Sheet

<b>Type:</b> Synthetic	<b>Cat. No.:</b>	
<b>Species:</b> Human	RP1782650001	(1 mg)
	RP1782650005	(5 mg)
	RP1782650025	(25 mg)

### Description

Octreotide Human Synthetic is a single, non-glycosylated, polypeptide chain containing 8 amino acids, having a molecular mass of 1019.26 Dalton and a molecular formula of  $C_{49}H_{66}N_{10}O_{10}S_2$ . Octreotide is purified by proprietary chromatographic techniques.

### Introduction to the Molecule

Octreotide acetate is a longer acting synthetic octapeptide analog of naturally occurring somatostatin. It inhibits the secretion of gastro-entero-pancreatic peptide hormones and the release of growth hormone.

### Amino Acid Sequence

H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-L-threoninol

### Purity

Greater than 98.0% as determined by RP-HPLC.

### Formulation

The Octreotide was lyophilized from a concentrated (1 mg/ml) solution with no additives.

### Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

### Storage, Stability/Shelf Life

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

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

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