

Synthetic Human Octreotide

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| Catalog No. | CRO101A CRO101B CRO101C | Quantity: | 1.0 mg 5 mg 25 mg |
| Description: | Synthetic Human Octreotide is a single, non-glycosylated, polypeptide chain containing 8 amino acids, having a MW of 1.01926 kDa and a molecular formula of $C_{49}H_{66}N_{10}O_{10}S_2$. 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. | | |
| Source: | Synthetic | | |
| Formulation: | Sterile Filtered White lyophilized (freeze-dried) powder. Octreotide was lyophilized from a concentrated (1 mg/ml) solution with no additives. | | |
| Purity: | Greater than 98.0% as determined by: Analysis by RP-HPLC, anion-exchange FPLC, and analysis by reducing and non-reducing SDS-PAGE Silver Stained gel. | | |
| Amino Acid Sequence: | The sequence was determined to be H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-L-threoninol | | |
| Reconstitution: | It is recommended to reconstitute the lyophilized Octreotide in sterile, distilled H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. | | |
| Storage & Stability: | Lyophilized Octreotide although stable at room temperature, should be stored desiccated below 0°C. Reconstituted Octreotide is best stored refrigerated at 4°C. Avoid freeze-thaw cycles. | | |

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