

## 32-2081: SST Protein

**Alternative Name :** Growth hormone release-inhibiting factor,SST,SMS,SMST,GHIH.

### Description

Source : Somatostatin Synthetic is a single, non-glycosylated polypeptide chain containing 14 amino acids, having a molecular mass of 1637.9 Dalton and a Molecular formula of C<sub>76</sub>H<sub>104</sub>N<sub>18</sub>O<sub>19</sub>S<sub>2</sub>. The CAS# is 38916-34-6. Somatostatin (also known as growth hormone inhibiting hormone (GHIH) or somatotropin release-inhibiting hormone (SRIF) is a peptide hormone that regulates the endocrine system and affects neurotransmission and cell proliferation via interaction with G-protein-coupled somatostatin receptors and inhibition of the release of numerous secondary hormones. Somatostatin has two active forms produced by alternative cleavage of a single preproprotein: one of 14 amino acids, the other of 28 amino acids.

### Product Info

**Amount :** 10 mg

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

**Content :** The protein was lyophilized with no additives.

**Storage condition :** Lyophilized SST although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Somatostatin 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.

**Amino Acid :** Ala-Gly-Cys-Lys-Asn-Phe- Phe-Trp-Lys-Thr-Phe-Thr-Ser-Cys-OH.

### Application Note

It is recommended to reconstitute the lyophilized Somatostatin in sterile 18MΩ-cm H<sub>2</sub>O not less than 100 μg/ml, which can then be further diluted to other aqueous solutions.

