

Rev04
Update: May,23,2022

DATASHEET

Somatostatin

Cat. No.: RP10226

Overview

Description	Somatostatin is a polypeptide hormone produced chiefly by the hypothalamus. It inhibits the secretion of various other hormones, such as somatotropin, glucagon, insulin, thyrotropin, and gastrin. Somatostatin is a hormone comprising two peptides, one built of 14 amino acids, the other of 28 amino acids. Somatostatin is secreted not only by cells of the hypothalamus but also by delta cells of stomach, intestine, and pancreas. It binds to somatostatin receptors. Somatostatin was first discovered in hypothalamic extracts and identified as a hormone that inhibited secretion of growth hormone. Subsequently, somatostatin was found to be secreted by a broad range of tissues, including those of the pancreas, intestinal tract, and regions of the central nervous system outside the hypothalamus.
Cas No	38916-34-6
Sequence	{ALA}{GLY}{CYS}{LYS}{ASN}{PHE}{PHE}{TRP}{LYS}{THR}{PHE}{THR}{SER}{CYS}
Sequence Shortening	AGCKNFFWKFTTSC
Molecular Formula	C ₇₆ H ₁₀₄ N ₁₈ O ₁₉ S ₂
Disulfide Bridge	Cys3-Cys14
Molecular Weight	1637.88

Properties

Purity	> 95%
Solubility	The peptide is soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weigh out a smaller portion of the contents.
Form	Lyophilized
Storage	Store the peptide at -20°C.
Note	Somatostatin is a hypothalamic polypeptide that inhibits the secretion of immunoreactive pituitary growth hormone.

Examples

GenScript USA, Inc.

860 Centennial Ave. Piscataway, NJ 08854

Tel: 1-732-885-9188

