

# SOMATOSTATIN

Cas No: 38916-34-6

Summenformel:  $C_{76}H_{104}N_{18}O_{19}S_2$

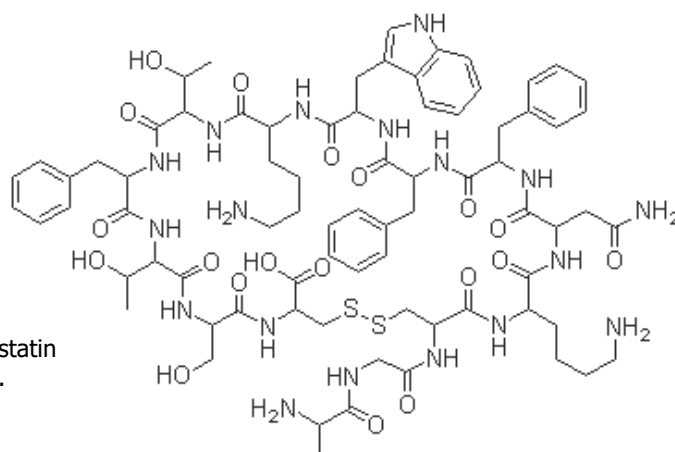
Molekulargewicht: 1637.88 g/mol

Source: Synthetic

Synonym: Growth hormone release inhibiting factor, SRIF, Somatostatin-14, Somatotropin release inhibiting factor

Sequenz: Ala-Gly-Cys-Lys-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Thr-Ser-Cys ; Cys3-Cys14 Disulfidbrücke

Gegenion: Acetat



Strukturformel von Somatostatin  
For research purposes only.

Somatostatin, also known as growth hormone-inhibiting hormone (GHIH) or by several other names, 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 inhibits insulin and glucagon secretion.

#### References:

Liu Y, Lu D, Zhang Y, Li S, Liu X, Lin H (2010). "The evolution of somatostatin in vertebrates". *Gene*. 463 (1–2): 21–28.

Gahete MD, Cordoba-Chacón J, Duran-Prado M, Malagón MM, Martínez-Fuentes AJ, Gracia-Navarro F, Luque RM, Castaño JP (2010). "Somatostatin and its receptors from fish to mammals". *Annals of the New York Academy of Sciences*. 1200: 43–52.

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