

Somatostatin (1-44) amide (human) (trifluoroacetate salt)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Somatostatin (1-44) amide is a synthetic peptide that corresponds to the full 44-amino acid sequence of growth hormone-releasing hormone (GHRH), a hormone that stimulates the production of growth hormone from the pituitary gland and is involved in the regulation of cell proliferation and differentiation. ^{1,2} Somatostatin induces growth hormone release similarly to GHRH in vitro and in vivo. ¹
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Solubility Information

Solubility	H ₂ O: 10 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

- Guillemin, R., Brazeau, P., B?hlen, P., et al. Growth hormone-releasing factor from a human pancreatic tumor that caused acromegaly. *Science* 218(4572):585-587 (1982)
- Kiaris, H., Chatzistamou, I., Papavassiliou, A.G., et al. Growth hormone-releasing hormone: Not only a neurohormone. *Trends Endocrinol. Metab.* 22(8):311-317 (2011)

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