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**Product Data Sheet**

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Product Name: Somatostatin-25

Cat. No.: GC30584

**Chemical Properties**

Cas. No. 76461-17-1

SMILES Ser-Asn-Pro-Ala-Met-Ala-Pro-Arg-Glu-Arg-Lys-Ala-Gly-Cys-Lys-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Thr-Ser-Cys (Disulfide bridge: Cys14-Cys25)

Formula  $C_{127}H_{191}N_{37}O_{34}S_3$  M.Wt 2876.3

Solubility Soluble in Water Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Somatostatin-25 is a endogenous neuropeptide hormone that shows inhibitory activity against secretion of growth hormone.

Somatostatin-25 (0.1 pM-1 nM) significantly inhibits secretion of growth hormone in the in vitro system, and is 3-14 times more effective than the tetradecapeptide.

Somatostatin-25 (0.1 nM-1pM) also inhibits secretion of growth hormone induced by the addition of prostaglandin 2 (PGE2). However, Somatostatin-25 shows no effect on the secretion of prolactin[1].

[1]. Brazeau P, et al. High biological activity of the synthetic replicates of somatostatin-28 and somatostatin-25. Regul Pept. 1981 Jan;1(4):255-64.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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