

Data Sheet

Product Name:	Somatostatin
Cat. No.:	CS-0012412
CAS No.:	51110-01-1
Molecular Formula:	N/A
Molecular Weight:	1637.88
Target:	Others
Pathway:	Others
Solubility:	H ₂ O : 50 mg/mL (30.53 mM; Need ultrasonic)

Somatostatin

BIOLOGICAL ACTIVITY:

Somatostatin is a tetradecapeptide which can suppress the growth hormone (GH) secretion and control the pituitary hormone secretion in human CNS. **In Vitro:** Somatostatin is a tetradecapeptide which can suppress the growth hormone (GH) secretion and control the pituitary hormone secretion in human CNS. Somatostatin has two biologically active forms: the predominant form is the 14 amino-acid long Somatostatin-14 while the more potent form is the amino-terminus extended Somatostatin-28. The biological roles of the two Somatostatin isoforms very strongly overlap and the relative proportions of Somatostatin-14 to Somatostatin-28 vary between different tissues. Somatostatin can reduce adhesion of carcinosarcoma cells to the blood vessels and thus attenuate the metastatic potential of these tumours. Somatostatin can also inhibit monocyte chemotactic migration^[1].

References:

[1]. Msaouel P, et al. Somatostatin and somatostatin receptors: implications for neoplastic growth and cancer biology. Expert Opin Investig Drugs. 2009 Sep;18(9):1297-316.

CAIndexNames:

Somatostatin

SMILES:

[Somatostatin]

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

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