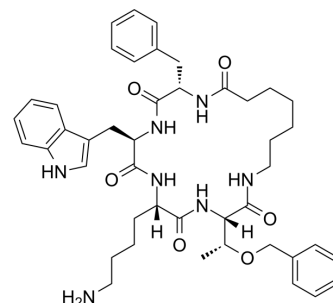


Cyclosomatostatin

Cat. No.:	HY-P1201
CAS No.:	84211-54-1
Molecular Formula:	C ₄₄ H ₅₇ N ₇ O ₆
Molecular Weight:	779.97
Sequence Shortening:	Cyclo(KT-[Oaa]-FW)
Target:	Somatostatin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 10 mg/mL (12.82 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.2821 mL	6.4105 mL	12.8210 mL
	5 mM	0.2564 mL	1.2821 mL	2.5642 mL
	10 mM	0.1282 mL	0.6411 mL	1.2821 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Cyclosomatostatin is a potent somatostatin (SST) receptor antagonist. Cyclosomatostatin can inhibit somatostatin receptor type 1 (SSTR1) signaling and decreases cell proliferation, ALDH+ cell population size and sphere-formation in colorectal cancer (CRC) cells^[1].

REFERENCES

[1]. Shirin R Modarai, et al. Somatostatin signaling via SSTR1 contributes to the quiescence of colon cancer stem cells. BMC Cancer. 2016 Dec 7;16(1):941.

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

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