

sGnRH-A

Cat. No.:	HY-P3582
CAS No.:	96497-82-4
Molecular Formula:	C ₆₄ H ₈₃ N ₁₇ O ₁₂
Molecular Weight:	1282.45
Sequence Shortening:	{Glp}-HWSY-{d-Arg}-WLP-NHEt
Target:	GnRH Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	sGnRH-A is a salmon gonadotropin-releasing hormone (GnRH) analogue. sGnRH-A stimulates growth hormone secretion. sGnRH-A also can be used as an inducer of ovulation by artificial insemination ^{[1][2]} .
In Vitro	sGnRH-A (0.1 nM-1 μM, 24 h) increases GH mRNA levels and stimulates GH secretion in a dose-dependent manner ^[1] . sGnRH-A (10 nM, 6 h) induces growth hormone levels nearly 5 times higher than the control in common carp pituitary fragments ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Wen-Sheng Li, et al. Effects of gonadotropin-releasing hormone on growth hormone secretion and gene expression in common carp pituitary. *Comp Biochem Physiol B Biochem Mol Biol*. 2002 Jun;132(2):335-41.
- [2]. Bamidele, O, et al. Salmon gonadotropin-releasing hormone analogue (sGnRH_a) as a potent ovulation inducer for artificial insemination in rabbit. *Veterinary Sciences: Research and Reviews*, 5(2): 66-72.

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

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