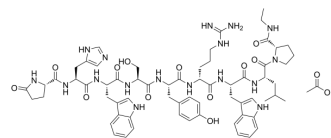


sGnRH-A acetate

Cat. No.:	HY-P3582A
Molecular Formula:	C ₆₆ H ₈₇ N ₁₇ O ₁₄
Molecular Weight:	1342.5
Sequence Shortening:	{Glp}-HWSY-{d-Arg}-WLP-NHEt
Target:	GnRH Receptor
Pathway:	GPCR/G Protein
Storage:	Sealed storage, away from moisture and light
	Powder -80°C 2 years
	-20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (74.49 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.7449 mL	3.7244 mL	7.4488 mL
	5 mM	0.1490 mL	0.7449 mL	1.4898 mL
	10 mM	0.0745 mL	0.3724 mL	0.7449 mL

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

BIOLOGICAL ACTIVITY

Description

sGnRH-A acetate is a salmon gonadotropin-releasing hormone (GnRH) analogue. sGnRH-A acetate stimulates growth hormone secretion. sGnRH-A acetate also can be used as an inducer of ovulation by artificial insemination^{[1][2]}.

In Vitro

sGnRH-A acetate (0.1 nM-1 μM, 24 h) increases GH mRNA levels and stimulates GH secretion in a dose-dependent manner^[1]. sGnRH-A acetate (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 (sGnRHa) 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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