

Product Data Sheet

Product Name: sGnRH-A

Cat. No.: GA20102

Chemical Properties

Cas. No. 96497-82-4

Formula $C_{64}H_{83}N_{17}O_{12}$

M.Wt 1282.45

Solubility Storage Sealed storage, away from moisture

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

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]}.

sGnRH-A (0.1 nM-1 μM, 24 h) dose-dependently increased GH mRNA levels and stimulated GH secretion^[1].

sGnRH-A (10 nM, 6 h) induced an increase in growth hormone levels, nearly 5 times higher than the

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

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control group [1].

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.

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