
Product Data Sheet

Product Name: hFSH- β -(33-53) (TFA)

Cat. No.: GC63899

Chemical Properties

Cas. No.

Formula C₁₁₇H₁₈₄F₃N₃₁O₃₄S

M.Wt 2657.96

Solubility

Storage Store at -20°C

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

hFSH- β -(33-53) TFA, a thiol-containing peptide which corresponds to a second FSH receptor-binding domain, is a FSHR (follicle-stimulating hormone receptor) antagonist. hFSH- β -(33-53) TFA inhibits binding of FSH to receptor and is a partial agonist of estradiol synthesis in Sertoli cells[1][2][3].

[1]. Grasso P, et al. A synthetic peptide corresponding to hFSH-beta-(81-95) has thioredoxin-like activity. Mol Cell Endocrinol. 1991;78(3):163-170. [2]. Xu Y, et al. Pilot study of a novel (18)F-labeled FSHR probe for tumor imaging. Mol Imaging Biol. 2014;16(4):578-585. [3]. Santa-Coloma TA, et al. Serine analogues of hFSH-beta-(33-53) and hFSH-beta-(81-95) inhibit hFSH binding to receptor. Biochem Biophys Res Commun. 1992;184(3):1273-1279.

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

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