

Product Data Sheet

Product Name: Calcitonin, eel TFA

Cat. No.: GC34515

Chemical Properties

Cas. No.

Formula $C_{148}H_{242}F_3N_{43}O_{49}S_2$ M.Wt 3528.89

Solubility Soluble in DMSO 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

CSNLSTCVLGKLSQELHKLQTYPRTDVGAGTP-NH₂ (Disulfide bridge: Cys₁-Cys₇)



Background

Calcitonin, eel TFA is the thyroid hormone peptide that contributes to the regulation of calcium homeostasis, widely used in the research of postmenopausal osteoporosis[1].

Calcitonin, eel effectively induces a concentration-dependent stimulation of phosphoinositide hydrolysis and stimulates prolactin release compared to salmon calcitonin in cultured anterior pituitary cells[1]. Calcitonin, eel is inactive on the inhibition of prolactin release under thyrotropin releasing hormone (TRH) stimulated conditions[1].

[1]. Sortino MA, et al. Comparative effects of eel calcitonin, salmon calcitonin and [Asu1,7]eel

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

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calcitonin on hypophyseal and osteoblastic function. Gynecol Endocrinol. 1993 Jun;7(2):89-96.

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