Calcitonin, eel

Cat. No.:	HY-P1463
CAS No.:	57014-02-5
Molecular Formula:	$C_{146}H_{241}N_{43}O_{47}S_2$
Molecular Weight:	3414.91
Sequence:	Cys-Ser-Asn-Leu-Ser-Thr-Cys-Val-Leu-Gly-Lys-Leu-Ser-Gln-Glu-Leu-His-Lys-Leu-Gln-Thr-Tyr-Pro-Arg-Thr-Asp-Val-Gly-Ala-Gly-Thr-Pro-NH2 (Disulfide bridge: Cys1-Cys7)
Sequence Shortening:	CSNLSTCVLGKLSQELHKLQTYPRTDVGAGTP-NH2 (Disulfide bridge: Cys1-Cys7)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Calcitonin, eel is the thyroid hormone peptide that contributes to the regulation of calcium homeostasis, widely used in the research of postmenopausal osteoporosis.
In Vitro	Calcitonin, eel effectively induces a concentration-dependent stimulation of phosphoinositide hydrolysis and stimulates prolactin release compared to salmon calcitonin in cultured anterior pituitary cells. However, Calcitonin, eel is inactive on the inhibition of prolactin release under thyrotropin releasing hormone (TRH) stimulated conditions[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sortino MA, et al. Comparative effects of eel calcitonin, salmon calcitonin and [Asu1,7]eel calcitonin on hypophyseal and osteoblastic function. Gynecol Endocrinol. 1993 Jun;7(2):89-96.

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