

Human PTH-(1-31)

Cat. No.:	HY-P4817
CAS No.:	157938-23-3
Molecular Formula:	C ₁₆₂ H ₂₆₉ N ₄₉ O ₄₇ S ₂
Molecular Weight:	3719.3
Sequence:	Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu-Asn-Ser-Met-Glu-Arg-Val-I-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val
Sequence Shortening:	SVSEIQLMHNLGKHLNSMERVEWLRKKLQDV
Target:	Thyroid Hormone Receptor
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Human PTH-(1-31) is the 1-31 fragment of human PTH. Human PTH-(1-31) stimulates the release of cAMP and also is a weaker stimulator of the 25-hydroxyvitamin D-1 α -hydroxylase. Human PTH-(1-31) induces bone formation without inducing bone resorption. Human PTH-(1-31) has the potential for the research of osteoporosis^{[1][2]}.

REFERENCES

[1]. Fraher LJ, et al. Comparison of the biochemical responses to human parathyroid hormone-(1-31)NH₂ and hPTH-(1-34) in healthy humans. J Clin Endocrinol Metab. 1999 Aug;84(8):2739-43.

[2]. K. Henriksen, et al. Evaluation of the efficacy, safety and pharmacokinetic profile of oral recombinant human parathyroid hormone [rhPTH(1-31)NH₂] in postmenopausal women with osteoporosis. Bone. 2013, 53 (1): 160-166.

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

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