

pTH (1-37) (human)

Cat. No.:	HY-P4823
CAS No.:	136799-54-7
Molecular Formula:	C ₁₉₅ H ₃₁₆ N ₅₈ O ₅₄ S ₂
Molecular Weight:	4401.08
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-His-Asn-Phe-Val-Ala-Leu
Sequence Shortening:	SVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNFVAL
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

pTH (1-37) (human) is a fragment of parathyroid hormone (PTH). pTH (1-37) (human) induces the cAMP formation and increases alkaline phosphatase activity. pTH (1-37) (human) increases growth, bone calcium content, and bone mineral density (BMD) in uremic animals. pTH (1-37) (human) has the potential for the research of osteoporosis^{[1][2][3]}.

REFERENCES

- [1]. Tsai JA, et al. Parathyroid hormone-related protein (1-37) induces cAMP response in human osteoblast-like cells. *Calcif Tissue Int.* 1998 Mar;62(3):250-4.
- [2]. Schmitt CP, et al. Intermittent administration of parathyroid hormone (1-37) improves growth and bone mineral density in uremic rats. *Kidney Int.* 2000 Apr;57(4):1484-92.
- [3]. Stephan S, et al. Intermittent administration of the circulating form of human parathyroid hormone (hPTH-1-37) prevents bone loss in ovariectomized rats. *Eur J Med Res.* 2007 Jan 31;12(1):13-20.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA