

β-Endorphin (rat)

Cat. No.:	HY-P2046
CAS No.:	309246-19-3
Molecular Formula:	C ₁₅₇ H ₂₅₄ N ₄₂ O ₄₄ S
Molecular Weight:	3466.02
Sequence:	Tyr-Gly-Gly-Phe-Met-Thr-Ser-Glu-Lys-Ser-Gln-Thr-Pro-Leu-Val-Thr-Leu-Phe-Lys-Asn-Ala-Ile-Ile-Lys-Asn-Val-His-Lys-Lys-Gly-Gln
Sequence Shortening:	YGGFMTSEKSQTPLVTLFKNAIIKNVHKKGQ
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

β-Endorphin (rat) is an endogenous opioid neuropeptide and peptide hormone. β-Endorphin (rat) has analgesic activity and also contributes to food intake in satiated rats. β-Endorphin (rat) can be used in the research of neurological diseases such as analgesia and drug addiction^{[1][2]}.

REFERENCES

- [1]. Yamamoto T, et al. Effects of taste stimulation on beta-endorphin levels in rat cerebrospinal fluid and plasma. *Physiol Behav.* 2000 May;69(3):345-50.
- [2]. Roth-Deri I, et al. Beta-endorphin and drug-induced reward and reinforcement. *Prog Neurobiol.* 2008 Sep;86(1):1-21.

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

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