

β-Endorphin, rat

Cat. No.:	HY-W019878
CAS No.:	59887-17-1
Molecular Formula:	C ₁₅₅ H ₂₅₀ N ₄₂ O ₄₄ S
Molecular Weight:	3437.96
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:	YGGFMTSEKSQTPLVTLFKNAIIKNAHKKGQ
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

β-Endorphin, rat (β-Lipotropin 61-91), a neuropeptide, is involved in cardiovascular regulation. β-Endorphin, rat induces marked, prolonged muscular rigidity and immobility similar to a catatonic state in rats^{[1][2]}.

REFERENCES

- [1]. Bloom F, et al. Endorphins: profound behavioral effects in rats suggest new etiological factors in mental illness. *Science*. 1976 Nov 5;194(4265):630-2.
- [2]. Hill C, et al. The effects of beta-endorphin (beta-END) on cardiovascular and behavioral dynamics in conscious rats. *Brain Res Bull*. 2002 Oct 15;59(1):29-34.

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

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