

Lys-γ3-MSH(human)

Cat. No.:	HY-P1210
CAS No.:	156159-18-1
Molecular Formula:	C ₁₂₈ H ₁₉₃ N ₄₅ O ₃₉ S
Molecular Weight:	3018.25
Sequence Shortening:	KYVMGHRWDRFGRRNSSSSGSSGAGQ
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description

Lys-γ3-MSH(human) is a melanocortin peptide derived from the C-terminal of the fragment of pro-opiomelanocortin (POMC). Lys-γ3-MSH(human) potentiates the steroidogenic response of the rat adrenal to adrenocorticotrophin (ACTH). Lys-γ3-MSH(human) is a potent stimulator of lipolysis with an apparent EC₅₀ of 3.56 nM. Lys-γ3-MSH(human) can activate hormone sensitive lipase (HSL) and Perilipin A resulting in lipolysis^{[1][2]}.

REFERENCES

- [1]. Harmer SC, Pepper DJ, Cooke K, Bennett HP, Bicknell AB. Evidence of a possible role for Lys-gamma3-MSH in the regulation of adipocyte function. *J Endocrinol.* 2008;196(1):149-158.
- [2]. Bicknell KA, et al. Lys-gamma3-MSH: a global regulator of hormone sensitive lipase activity?. *Mol Cell Endocrinol.* 2009;300(1-2):71-76.

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

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