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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Lys-γ3-MSH(human) TFA

Cat. No.:	HY-P1210A	
Molecular Formula:	C ₁₂₈ H ₁₉₃ N ₄₅ O ₃₉ S.xC ₂ HF ₃ O ₂	
Sequence:	Lys-Tyr-Val-Met-Gly-His-Phe-Arg-Trp-Asp-Arg-Phe-Gly-Arg-Arg-Asn-Ser-Ser-Ser-Ser-Gly-Ser-Ser-Gly-Ala-Gly-Gln	Lys-Tyr-Val-Met-Gly-His-Phe-Arg-Trp-Asp-Arg-Phe-Gly-Arg-Arg-Asn-Ser-Ser-Ser-Ser-Gly-Ser-Ser-Gly-Ala-Gly-Gln (TFA salt)
Sequence Shortening:	KYVMGHFRWDRFGRRNSSSSGSSGAGQ	
Target:	Melanocortin Receptor	
Pathway:	GPCR/G Protein; Neuronal Signaling	
Storage:	Sealed storage, away from moisture	
	Powder -80°C 2 years	
	-20°C 1 year	
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	Lys-γ3-MSH(human) TFA is a melanocortin peptide derived from the C-terminal of the fragment of pro-opiomelanocortin (POMC). Lys-γ3-MSH(human) TFA potentiates the steroidogenic response of the rat adrenal to adrenocorticotrophin (ACTH). Lys-γ3-MSH(human) TFA is a potent stimulator of lipolysis with an apparent EC ₅₀ of 3.56 nM. Lys-γ3-MSH(human) TFA can activate hormone sensitive lipase (HSL) and Perilipin A resulting in lipolysis ^{[1][2]} .
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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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