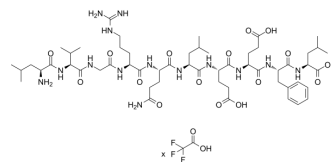


LVGRQLEEFL (mouse) (TFA)

Cat. No.:	HY-P5169A
Molecular Formula:	C ₅₅ H ₉₀ N ₁₄ O ₁₆ ·xC ₂ HF ₃ O ₂
Sequence:	Leu-Val-Gly-Arg-Gln-Leu-Glu-Glu-Phe-Leu
Sequence Shortening:	LVGRQLEEFL
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)



BIOLOGICAL ACTIVITY

Description

LVGRQLEEFL (mouse) TFA can be named as G* peptide, corresponding to amino acids 113 to 122 in apolipoprotein J ([113,122] apoJ). LVGRQLEEFL (mouse) TFA exhibits anti-inflammatory and anti-atherogenic properties. LVGRQLEEFL (mouse) TFA can be added to an apoJ mimetic, to form HM-10/10 peptide, which is a mimetic peptide and a novel chimeric high density lipoprotein. HM-10/10 peptide protects retinal pigment epithelium (RPE) and photoreceptors from oxidant induced cell death^{[1][2]}.

REFERENCES

- [1]. Su F, et al. A Novel HDL-Mimetic Peptide HM-10/10 Protects RPE and Photoreceptors in Murine Models of Retinal Degeneration. *Int J Mol Sci.* 2019 Sep 27;20(19):4807.
- [2]. Mishra VK, et al. Structure and lipid interactions of an anti-inflammatory and anti-atherogenic 10-residue class G(*) apolipoprotein J peptide using solution NMR. *Biochim Biophys Acta.* 2011 Jan;1808(1):498-507.

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

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