LVGRQLEEFL (mouse)

Cat. No.:	HY-P5169
CAS No.:	608513-82-2
Molecular Formula:	$C_{55}H_{90}N_{14}O_{16}$
Molecular Weight:	1203.39
Sequence:	Leu-Val-Gly-Arg-Gln-Leu-Glu-Glu-Phe-Leu
Sequence Shortening:	LVGRQLEEFL
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	LVGRQLEEFL (mouse) can be named as G * peptide, corresponding to amino acids 113 to 122 in apolipoprotein J ([113,122] apoJ)}. LVGRQLEEFL (mouse) exhibits anti-inflammatory and anti-atherogenic properties. LVGRQLEEFL (mouse) 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.

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