

L17E

Cat. No.:	HY-P4121
CAS No.:	1898254-09-5
Molecular Formula:	C ₁₃₄ H ₂₂₀ N ₃₈ O ₃₁
Molecular Weight:	2859.42
Sequence:	Ile-Trp-Leu-Thr-Ala-Leu-Lys-Phe-Leu-Gly-Lys-His-Ala-Ala-Lys-His-Glu-Ala-Lys-Gln-Gln-Leu-Ser-Lys-Leu-NH ₂
Sequence Shortening:	IWLTALKFLGKHAAKHEAKQQLSKL-NH ₂
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

L17E, an endosomolytic peptide, is a cationic amphiphilic peptide with specific membrane lytic activity for late endosomes (LEs). L17E diminishes the TS5-p45 induced apoptosis in a dose-dependent manner. L17E is endocytosed into cells and trafficked to LEs. Within the acidic environment of LEs, L17E perturbs and lyses the LE membrane, leading to disruption of LE membrane and release of LE content to the cytosol. L17E is used to investigate the role of the endosomal protein trafficking pathway^[1].

REFERENCES

[1]. Dogan Can Kirman, et al. Cell surface nucleolin is a novel ADAMTS5 receptor mediating endothelial cell apoptosis. Cell Death Dis. 2022 Feb 23;13(2):172.

[2]. Dogan Can Kirman, et al. Cell surface nucleolin is a novel ADAMTS5 receptor mediating endothelial cell apoptosis. Cell Death Dis. 2022 Feb 23;13(2):172.

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

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