

WLSEAGPVTVRALRGTGSW TFA

Cat. No.:	HY-P3436A
Molecular Formula:	C ₉₉ H ₁₅₃ F ₃ N ₂₈ O ₂₉
Molecular Weight:	2256.44
Sequence Shortening:	WLSEAGPVTVRALRGTGSW
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

WLSEAGPVTVRALRGTGSW TFA is a cardiomyocyte specific peptide. WLSEAGPVTVRALRGTGSW-expressing exosomes can improve specific uptake by cardiomyocytes, decrease cardiomyocyte apoptosis, and enhance cardiac retention following intramyocardial injection in vivo^{[1][2]}.

REFERENCES

[1]. McGuire MJ, et, al. In vitro selection of a peptide with high selectivity for cardiomyocytes in vivo. J Mol Biol. 2004 Sep 3;342(1):171-82.

[2]. Mentkowski KI, et, al. Exosomes Engineered to Express a Cardiomyocyte Binding Peptide Demonstrate Improved Cardiac Retention in Vivo. Sci Rep. 2019 Jul 11;9(1):10041.

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

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