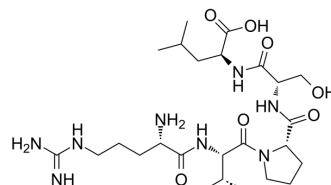


Ovotransferrin (328-332)

Cat. No.:	HY-P4281
CAS No.:	1226776-54-0
Molecular Formula:	C ₂₅ H ₄₆ N ₈ O ₇
Molecular Weight:	570.68
Sequence:	Arg-Val-Pro-Ser-Leu
Sequence Shortening:	RVPSL
Target:	Angiotensin-converting Enzyme (ACE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ovotransferrin (328-332) has a protective activity on the blood pressure by inhibiting the Angiotensin-Converting Enzyme (ACE), with the IC ₅₀ of 20 μM. Ovotransferrin (328-332) fragment has an activity against Cholinesterase (ChE), implicating in Alzheimer's diseases ^{[1][2]} .
IC ₅₀ & Target	ACE 20 μM (IC ₅₀)

REFERENCES

- [1]. Zhipeng Yu, et al. Primary and secondary structure of novel ACE-inhibitory peptides from egg white protein. Food Chem. 2012 Jul 15;133(2):315-22.
- [2]. Zhipeng Yu, et al. Anti-Alzheimers activity and molecular mechanism of albumin-derived peptides against AChE and BChE. Food Funct. 2018 Feb 21;9(2):1173-1178.

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

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