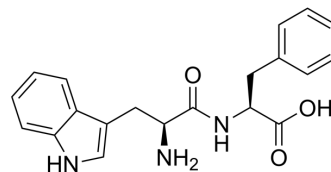


H-Trp-Phe-OH

Cat. No.:	HY-P4641
CAS No.:	6686-02-8
Molecular Formula:	C ₂₀ H ₂₁ N ₃ O ₃
Molecular Weight:	351.4
Sequence:	H-Trp-Phe-OH
Sequence Shortening:	WF
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

H-Trp-Phe-OH is a dipeptide consisting of tryptophan and phenylalanine (Trp-Phe). H-Trp-Phe-OH is also an antihypertensive peptide with inhibitory activity on angiotensin-converting enzyme (ACE), dose-dependently increases NO levels, and decreases endothelin-1 (ET-1) levels. H-Trp-Phe-OH (2 mg/kg; subcutaneous injection; 6 injections over 3 days) causes an increase in ovarian weight in female mice^{[1][2]}.

REFERENCES

[1]. Zhao YQ, et al. Eight antihypertensive peptides from the protein hydrolysate of Antarctic krill (*Euphausia superba*): Isolation, identification, and activity evaluation on human umbilical vein endothelial cells (HUVECs). *Food Res Int.* 2019 Jul;121:197-204.

[2]. Pitkow et al. Pharmacological effect of dipeptides on ovarian and uterine weights in immature mice. *IRCS Medical Science: Library Compendium* (1977), 5(8), 378.

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

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