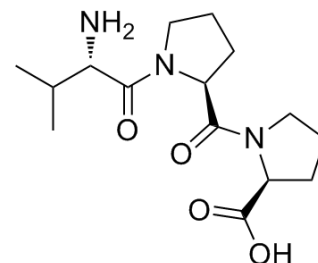


H-Val-Pro-Pro-OH

Cat. No.:	HY-114161
CAS No.:	58872-39-2
Molecular Formula:	C ₁₅ H ₂₅ N ₃ O ₄
Molecular Weight:	311.38
Target:	Angiotensin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	H-Val-Pro-Pro-OH, a milk-derived proline peptides derivative, is an inhibitor of Angiotensin I converting enzyme (ACE), with an IC ₅₀ of 9 μM.
IC ₅₀ & Target	IC ₅₀ : 9 μM (ACE) ^[1] .
In Vitro	H-Val-Pro-Pro-OH, a proline peptides derivative, could inhibit Angiotensin I converting enzyme (ACE), with an IC ₅₀ of 9 μM ^[1] . H-Val-Pro-Pro-OH could enhance insulin sensitivity and prevent insulin resistance in 3T3-F442A pre-adipocytes. H-Val-Pro-Pro-OH also has anti-hypertensive and anti-inflammatory functions. H-Val-Pro-Pro-OH further enhances the expression of glucose transporter 4 (GLUT4) in adipocytes and restores glucose uptake in TNF-treated adipocytes ^[2] .

REFERENCES

- [1]. Nakamura Y, et al. Purification and characterization of angiotensin I-converting enzyme inhibitors from sour milk. *J Dairy Sci.* 1995 Apr;78(4):777-83.
- [2]. Chakrabarti S, et al. Milk-Derived Tripeptides IPP (Ile-Pro-Pro) and VPP (Val-Pro-Pro) Enhance Insulin Sensitivity and Prevent Insulin Resistance in 3T3-F442A Preadipocytes. *J Agric Food Chem.* 2018 Oct 3;66(39):10179-10187.

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

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