

5-Valine-angiotensin I

Cat. No.:	HY-P3545
CAS No.:	484-43-5
Molecular Formula:	C ₆₁ H ₈₇ N ₁₇ O ₁₄
Molecular Weight:	1282.45
Sequence Shortening:	DRVVHPFHL
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	5-Valine-angiotensin I is an Ang I peptide belonging to angiotensin I. 5-Valine-angiotensin I induces muscle contraction, can be used for renin-angiotensin system studies. Angiotensin I is a putative neurotransmitter, is the precursor of angiotensin II and of angiotensin fragment 1-7, which are involved in regulation of fluid volume and the release of aldosterone ^{[1][2]} .
In Vitro	5-Valine-angiotensin I shows myotropic effect (muscle contraction) on isolated rat colon after nonspecific desensitization of receptors with acetylcholine ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Hayashi Y, et al. Synthesis and specific pressor activity of [1-aspartic acid,5-valine,9-serine]angiotensin I ("fowl angiotensin I"). J Med Chem. 1977 Feb;20(2):315-6.
- [2]. Myshlyakova, et al. Pharmacological characteristics of "active sites" of the angiotensin. Khimiko-Farmatsevticheskii Zhurnal, 1977, 11(7):6-11. [Russian]

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

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