

**Product Name:** Angiotensin 1/2 (1-5)

Catalog No.: A1047

Batch No.: 1

## Description:

Angiotensin I/II (1-5) is a peptide (ASP-ARG-VAL-TYR-ILE) that contains the amino acids 1-5 and is converted from Angiotensin I/II.

Angiotensin I is formed by the action of renin on angiotensinogen, an  $\alpha$ -2-globulin with 12 amino acids. Angiotensinogen is produced constitutively and released into the circulation mainly by the liver. Renin cleaves the peptide bond between the leucine (Leu) and valine (Val) residues on angiotensinogen, creating the ten-amino acid peptide angiotensin I. Angiotensin I is converted to angiotensin II (AII) through the removal of two C-terminal residues by angiotensin-converting enzyme (ACE), primarily by ACE within the lung.

Angiotensin is a peptide hormone that causes vasoconstriction and a subsequent increase in blood pressure. Angiotensin also stimulates the release of aldosterone, which promotes sodium retention in the distal nephron, thereby increasing blood pressure.

## Technical Data:

**Molecular Formula:**  $C_{30}H_{48}N_8O_9$

**Molecular Weight (MW) :** 664.75

**One Letter Sequence:** H2N-DRVYI-OH

**Three Letter Sequence:** H2N-Asp-Arg-Val-Tyr-Ile-OH

**Purity:** >97%

## Return Policy:

Customers satisfaction is guaranteed with Apexbio's 365 days unconditional return and refund policy. In any case if you are not satisfied with our products, you may return the items within 365 days from the original purchase date, and refund will be processed after the product is returned. Please follow the below instructions when returning the products:

1. Please contact Apexbio at 1-832-696-8203 before shipping. Any items returned to Apexbio should be in the original packaging and in the same condition as originally purchased.
2. Return shipping is absolutely FREE.
3. Please inform us the tracking ID as well as the purchase order number after shipping the package.
4. Refund will be processed upon receipt of the returned package, and it usually takes 7-14 business days for the fund to be returned to your credit card.

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