



LKT Laboratories, Inc.

[Val5]-Angiotensin II, human

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Product Information

Product ID A5284

CAS No.

Chemical Name

Synonym

Formula $C_{49}H_{69}N_{13}O_{12}$

Formula Wt. 1032.18

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water.

Store Temp -20°C

Ship Temp Ambient

Description Angiotensin II (AT II) is a peptide produced from AT I by angiotensin-converting-enzyme (ACE). AT II binds the AT II type 1 (AT1) receptor, stimulating GPCRs in vascular smooth muscle cells and increasing intracellular Ca^{2+} levels; this results in contraction and vasoconstriction, increasing blood pressure. AT II also acts at the $\text{Na}^{+}/\text{H}^{+}$ exchanger in the proximal tubules of the kidney. Here, AT II increases reabsorption of Na^{+} and HCO_3^{-} and excretion of H^{+} , increasing blood volume and pH and further increasing blood pressure.

H-Asp-Arg-Val-Tyr-Val-His-Pro-Phe-OH

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A5284	5 mg	\$63.00
A5284	10 mg	\$107.00
A5284	25 mg	\$189.00

References De Giusti VC, Ciancio MC, Orlowski A, et al. Modulation of the cardiac sodium/bicarbonate cotransporter by the renin angiotensin aldosterone system: pathophysiological consequences. *Front Physiol.* 2014 Jan 17;4:411. PMID: 24478712.

Moon JY. Recent Update of Renin-angiotensin-aldosterone System in the Pathogenesis of Hypertension. *Electrolyte Blood Press.* 2013 Dec;11(2):41-45. PMID: 24627703.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.