



LKT Laboratories, Inc.

Angiotensin II, human

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID A5277

CAS No. 68521-88-0

Chemical Name

Synonym Hypertensin II

Formula $C_{50}H_{71}N_{13}O_{12}$

Formula Wt. 1046.19

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water or 5% acetic acid.

Store Temp -20°C

Ship Temp Ambient

Description Angiotensin II (AT II) is an endogenous 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.

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

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A5277	5 mg	\$73.50
A5277	10 mg	\$131.30
A5277	25 mg	\$199.50

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.