



LKT Laboratories, Inc.
Angiotensin III, human

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Product Information

Product ID A5278

CAS No. 12687-51-3

Chemical Name

Synonym

Formula C₄₆H₆₆N₁₂O₉

Formula Wt. 931.10

Melting Point

Purity ≥95%

Solubility Soluble in 5% acetic acid or
in water (1 mg/mL).

Store Temp -20° C

Ship Temp Ambient

Description Angiotensin III (AT III) is the smallest, least active peptide fragment of precursor angiotensinogen. AT III is an endogenous peptide produced by the degradation of AT II by angiotensinase. AT III has 40% of the vasoconstrictive pressor activity of AT II but increases aldosterone secretion and mean arterial pressure through activity at the AT II type 1 (AT1) receptor.

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

Bulk quantities available upon request

Product ID	Size
A5278	5 mg
A5278	10 mg
A5278	25 mg

References Yugandhar VG, Clark MA. Angiotensin III: a physiological relevant peptide of the renin angiotensin system. *Peptides*. 2013 Aug;46:26-32. PMID: 23692861.

Yang R, Smolders I, Dupont AG. Blood pressure and renal hemodynamic effects of angiotensin fragments. *Hypertens Res*. 2011 Jun;34(6):674-83. PMID: 21412242.

Dupont AG, Brouwers S. Brain angiotensin peptides regulate sympathetic tone and blood pressure. *J Hypertens*. 2010 Aug;28(8):1599-610. PMID: 20502352.

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