
Product Data Sheet

Product Name: Angiotensin

Cat. No.: GP21404

Batch No.: 1

Product Data

Purity	>98%	Source	Synthetic.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Angiotensinogen; Serpin A8; ANHU; SERPINA8.		
Amino Acid Sequence	Asn-Arg-Val-Tyr-Val-His-Pro-Phe-OH.		
Solubility	It is recommended to reconstitute the lyophilized Angiotensin in sterile 18MΩ-cm H ₂ O not less than 100 µg/ml or more than 10 mg/ml solutions.		

Formulation

Introduction

Angiotensin is an oligopeptide in the blood that causes vasoconstriction, increased blood pressure, and release of aldosterone from the adrenal cortex. It is a powerful dipsogen. It is derived from the precursor molecule angiotensinogen, a serum globulin produced in the liver. It plays an important role in the renin-angiotensin system. The protein encoded by this gene, pre-angiotensinogen or angiotensinogen precursor, is expressed in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. The resulting product, angiotensin I is then cleaved by angiotensin converting enzyme (ACE) to generate the physiologically active enzyme angiotensin II. The protein is involved in maintaining blood pressure and in the pathogenesis of essential hypertension and preeclampsia.

Stability

Lyophilized Angiotensin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution Serpin A8 should be stored at 4°C between 2-7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

Background

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Angiotensin contains a total of 8 amino acids having a molecular weight of 1031.2 Dalton and a molecular formula of C₄₉H₇₀N₁₄O₁₁.

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