

Angiotensinogen (1-14), human

Chemical Properties

CAS No.:	104180-23-6
Formula:	C ₈₃ H ₁₂₂ N ₂₄ O ₁₉
Molecular Weight:	1760.04
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Angiotensinogen is a serum globulin formed by the liver that is cleaved by renin to form angiotensin I. Angiotensinogen is also called angiotensin precursor.
In vitro	Angiotensinogen (AGT) is the only precursor of all angiotensin peptides. Human AGT has 485 amino acids, including a 33 amino-acid sigl peptide. The 10 N-termil amino acids are cleaved by renin to provide angiotensin I (AngI), which is the source for an array of active angiotensin peptides[1].

Solubility Information

Solubility	H ₂ O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.568 mL	2.841 mL	5.682 mL
5 mM	0.114 mL	0.568 mL	1.136 mL
10 mM	0.057 mL	0.284 mL	0.568 mL
50 mM	0.011 mL	0.057 mL	0.114 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Lu H, et al. Structure and functions of angiotensinogen. Hypertens Res. 2016 Jul;39(7):492-500.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481