

Product Information

Angiotensin I human acetate hydrate

Product Number **A9650**

Storage Temperature -20 °C

Product Description

Molecular Formula: $C_{62}H_{89}N_{17}O_{14} \cdot xC_2H_4O_2 \cdot yH_2O$

Molecular Weight: 1296.48 (anhydrous free base basis)

CAS Number: 70937-97-2

Angiotensin I functions as an intermediate on the pathway to Angiotensin II production. Angiotensin II is a very potent pressor leading to high blood pressure. Angiotensinogen (a blood protein of MW 60 kDa) is proteolytically cleaved to give Angiotensin I (Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-His-Leu, MW 1296.5 Da), which is further cleaved by Angiotensin Converting Enzyme to give Angiotensin II.

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

It is soluble in 0.1 M acetic acid (20 mg/ml), yielding a clear solution.

Storage/Stability

At 1 mg/ml in water, angiotensin I is stable at room temperature for 4 days. When stored at room temperature, an aqueous solution will have 1.5% loss at 8 days, 27% loss at 18 days, and 62% loss at 25 days at room temperature.

When dissolved in water, store at 0-5 °C for up to 1 week.

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