

Angiotensin I/II (1-6) (TFA)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Appearance: no data available

Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Angiotensin I/II (1-6) TFA is a chemical compound comprising amino acids 1-6. It is derived from the Angiotensin I/II peptide, which is formed by the cleavage of the precursor angiotensinogen by renin. The resulting Angiotensin I is then hydrolyzed by angiotensin-converting enzyme (ACE) to produce biologically active Angiotensin II. Angiotensin II has been extensively studied for its potential applications in the treatment of Hypertension, Renin Angiotensin System, and Idiopathic Membranous Nephropathy[1][2][3].
In vitro	Angiotensin II, a naturally occurring octapeptide hormone within the renin-angiotensin-aldosterone system (RAAS), serves as a powerful vasoconstrictor. It plays crucial roles across cardiovascular, neurologic, and renal systems, influencing blood pressure regulation, thirst sensation, baroreceptor reflex responses, renal blood flow and glomerular filtration rate, and the balance of electrolytes and free water[2].

Reference

Erdős EG, et al. Conversion of angiotensin I to angiotensin II. Am J Med. 1976 May 31;60(6):749-59.

Busse LW, et al. Clinical Experience With IV Angiotensin II Administration: A Systematic Review of Safety. Crit Care

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