
Product Data Sheet

Product Name: Angiotensin II (1-4), human

Cat. No.: GC35351

Chemical Properties

Cas. No. 52580-29-7

Formula $C_{24}H_{37}N_7O_8$ M.Wt 551.59

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

Angiotensin II (1-4), human is an endogenous peptide produced from AT I by angiotensin-converting-enzyme (ACE). Angiotensin II binds the AT II type 1 (AT1) receptor, stimulating GPCRs in vascular smooth muscle cells and increasing intracellular Ca^{2+} levels. Angiotensin II also acts at the Na^+/H^+ exchanger in the proximal tubules of the kidney[1][2].

[1]. De Giusti VC, et al. Modulation of the cardiac sodium/bicarbonate cotransporter by the renin-angiotensin-aldosterone system: pathophysiological consequences. *Front Physiol.* 2014 Jan 17;4:411. [2]. Moon JY, et al. Recent Update of Renin-angiotensin-aldosterone System in the Pathogenesis of Hypertension. *Electrolyte Blood Press.* 2013 Dec;11(2):41-5.

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

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