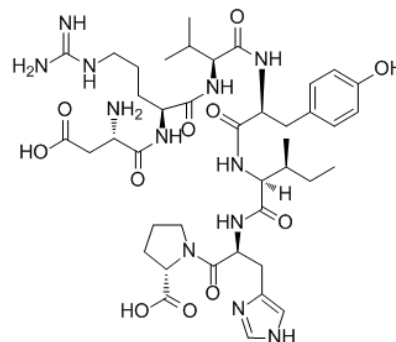


Product Name : Angiotensin 1-7
Cat. No. : PC-43019
CAS No. : 51833-78-4
Molecular Formula : C₄₁H₆₂N₁₂O₁₁
Molecular Weight : 899.0048
Target : Angiotensin Receptor
Solubility : H₂O: ≥ 30.2 mg/mL



Biological Activity

Angiotensin (1-7) ((Ang-(1-7), Talfirastide) is an active heptapeptide of the Renin-angiotensin system (RAS), inhibits purified canine angiotensin converting enzyme (**ACE**) activity with IC₅₀ of 0.65 μM. Angiotensin (1-7) augments bradykinin-induced vasodilation by competing with ACE and releasing nitric oxide, abolishes AGE-induced cellular hypertrophy and myofibroblast transformation via inhibition of ERK1/2. Angiotensin (1-7) evokes anti-arrhythmogenic effects in animal models, upregulates cardiac nitric oxide synthase in spontaneously hypertensive rats.

References

- Li P, et al. *Hypertension*. 1997 Jan;29(1 Pt 2):394-400.
Alzayadneh EM, et al. *Cell Signal*. 2014 Dec;26(12):3027-35.
Averill DB, et al. *Circulation*. 2003 Oct 28;108(17):2141-6.
Costa MA, et al. *Am J Physiol Heart Circ Physiol*. 2010 Oct;299(4):H1205-11.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com