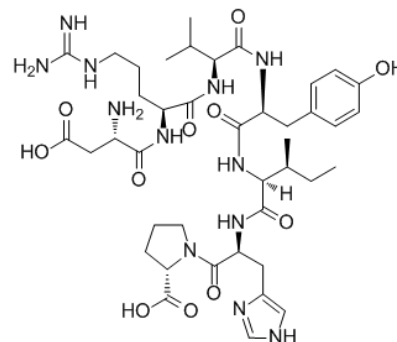


**Product Name** : Angiotensin 1-7  
**Cat. No.** : PC-43019  
**CAS No.** : 51833-78-4  
**Molecular Formula** : C<sub>41</sub>H<sub>62</sub>N<sub>12</sub>O<sub>11</sub>  
**Molecular Weight** : 899.0048  
**Target** : Angiotensin Receptor  
**Solubility** : H<sub>2</sub>O: ≥ 30.2 mg/mL



## Biological Activity

Angiotensin (1-7) (Ang-(1-7)) is an active heptapeptide of the Renin-angiotensin system (RAS), inhibits purified canine angiotensin converting enzyme (ACE) activity with IC<sub>50</sub> of 0.65 μM; 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; evokes anti-arrhythmic effects in animal models, upregulates cardiac nitric oxide synthase in spontaneously hypertensive rats.

## References

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- 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!**

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