

(Sar1)-Angiotensin II

Cat. No.:	HY-P3138
CAS No.:	51833-69-3
Molecular Formula:	C ₄₉ H ₇₁ N ₁₃ O ₁₀
Molecular Weight:	1002.17
Sequence Shortening:	{Sar}-RVIIHPF
Target:	Angiotensin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	(Sar1)-Angiotensin II, an analogue of Angiotensin II, is a specific agonist of angiotensin AT1 receptor. (Sar1)-Angiotensin II binds to brain membrane-rich particles, with a K _d of 2.7 nM. (Sar1)-Angiotensin II can stimulate protein synthesis and cell growth in embryonic chick myocytes ^{[1][2][3]} .
In Vitro	(Sar1)-Angiotensin II (1 μM/day; 9 d) increases the total protein content in embryonic chick myocytes by 18.5, 26.2, and 22.2% at 5, 7, and 9 days, respectively ^[2] . (Sar1)-Angiotensin II binds to brain membrane-rich particles in cynomolgus monkey brain, with a K _d of 2.7 nM ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Matsoukas JM, et, al. Differences in backbone structure between angiotensin II agonists and type I antagonists. *J Med Chem.* 1995 Nov 10;38(23):4660-9.
- [2]. Aceto JF, et, al. [Sar1]angiotensin II receptor-mediated stimulation of protein synthesis in chick heart cells. *Am J Physiol.* 1990 Mar;258(3 Pt 2):H806-13.
- [3]. Millan MA, et, al. Distribution of angiotensin II receptors in the brain of nonhuman primates. *Peptides.* Mar-Apr 1990;11(2):243-53.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA