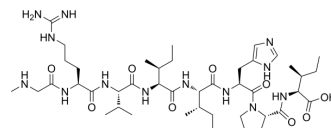


(Sar1,Ile4,8)-Angiotensin II

Cat. No.:	HY-P4685
CAS No.:	185461-45-4
Molecular Formula:	C ₄₃ H ₇₅ N ₁₃ O ₉
Molecular Weight:	918.14
Sequence:	{Sar}-Arg-Val-Ile-Ile-His-Pro-Ile
Sequence Shortening:	{Sar}-RVIIHPI
Target:	Angiotensin Receptor
Pathway:	GPCR/G Protein
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (108.92 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.0892 mL	5.4458 mL	10.8916 mL
5 mM	0.2178 mL	1.0892 mL	2.1783 mL
10 mM	0.1089 mL	0.5446 mL	1.0892 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

(Sar1,Ile4,8)-Angiotensin II is a functionally selective angiotensin II type 1 receptor (AT1R) agonist. (Sar1,Ile4,8)-Angiotensin II potentiates insulin-stimulated insulin receptor (IR) signaling and glycogen synthesis. (Sar1,Ile4,8)-Angiotensin II potentiates insulin-stimulated phosphorylation of Akt and GSK3 α/β ^[1].

IC₅₀ & Target

Angiotensin II Type 1

In Vitro

(Sar1,Ile4,8)-Angiotensin II (30 μ M; 30 min) increases the expression of insulin-stimulated phosphorylation of Akt and GSK3 α/β in hepatocytes^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sanni SJ, et al. [Sar1, Ile4, Ile8]-angiotensin II Potentiates Insulin Receptor Signalling and Glycogen Synthesis in Hepatocytes. Basic Clin Pharmacol Toxicol. 2018 May;122(5):460-469.

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

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