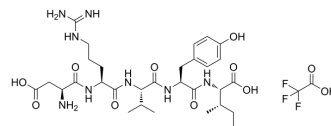


Angiotensin I/II (1-5) (TFA)

Cat. No.:	HY-P1839A
Molecular Formula:	C ₃₂ H ₄₉ F ₃ N ₈ O ₁₁
Molecular Weight:	778.77
Sequence:	Asp-Arg-Val-Tyr-Ile
Sequence Shortening:	DRVYI
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	DMSO : 20 mg/mL (25.68 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.2841 mL	6.4204 mL	12.8408 mL
5 mM			0.2568 mL	1.2841 mL	2.5682 mL	
	10 mM		0.1284 mL	0.6420 mL	1.2841 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 0.67 mg/mL (0.86 mM); Suspended solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	Angiotensin I/II 1-5 TFA is a peptide that contains the amino acids 1-5, which is converted from Angiotensin I/II. Angiotensin I is formed by the action of renin on angiotensinogen. Angiotensin II is produced from angiotensin I. Angiotensin II has been investigated for the treatment, basic science, and diagnostic of Hypertension, Renin Angiotensin System, and Idiopathic Membranous Nephropathy ^{[1][2][3]} .
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REFERENCES

[1]. Erdős EG, et al. Conversion of angiotensin I to angiotensin II. Am J Med. 1976 May 31;60(6):749-59.

[2]. Angiotensin I

[3]. Angiotensin II

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

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