

Angiogenin (108-122) (TFA)

Cat. No.:	HY-P1516A		
Molecular Formula:	C ₈₀ H ₁₂₆ F ₃ N ₂₅ O ₂₅		
Molecular Weight:	1895		
Sequence:	Glu-Asn-Gly-Leu-Pro-Val-His-Leu-Asp-Gln-Ser-Ile-Phe-Arg-Arg	ENGLPVHLDQSIFRR (TFA salt)	
Sequence Shortening:	ENGLPVHLDQSIFRR		
Target:	Others		
Pathway:	Others		
Storage:	Sealed storage, away from moisture		
	Powder	-80°C	2 years
		-20°C	1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)		

SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 50 mg/mL (26.39 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		0.5277 mL	2.6385 mL	5.2770 mL
	5 mM		0.1055 mL	0.5277 mL	1.0554 mL
	10 mM		0.0528 mL	0.2639 mL	0.5277 mL

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

In Vivo

1. Add each solvent one by one: PBS
 Solubility: 25 mg/mL (13.19 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Angiogenin (108-122) TFA is an angiogenin peptide.

In Vitro

Angiogenin (108-122) effects on the ribonucleolytic activity of angiogenin using tRNA as substrate with 39% inhibition^[1]. Angiogenin (108-122) acts as a therapeutic agent for the prophylaxis and/or treatment of cancer, an infectious disease, a fibrotic disease, an inflammatory disease, a neurodegenerative disease, an autoimmune disease, or a heart and vascular disease^[2].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Rybak SM, et al. C-terminal angiogenin peptides inhibit the biological and enzymatic activities of angiogenin. *Biochem Biophys Res Commun*. 1989 Jul 14;162(1):535-43.

[2]. Dorian Bevec, et al. Therapeutic uses of angiogenin 108-122 and gluten exorphin a5. WO2009043455A2.

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

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