

Apelin-13 TFA

Cat. No.:	HY-P1944A		
Molecular Formula:	C ₇₁ H ₁₁₂ F ₃ N ₂₃ O ₁₈ S		
Molecular Weight:	1664.85		
Sequence:	{Gln}{Arg}{Pro}{Arg}{Leu}{Ser}{His}{Lys}{Gly}{Pro}{Met}{Pro}{Phe}		
Sequence Shortening:	QRPRLSHKGPMPF		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-80°C	2 years
		-20°C	1 year
	In solvent	-80°C	6 months
		-20°C	1 month

BIOLOGICAL ACTIVITY

Description

Apelin-13 is the endogenous ligand of the APJ receptor, activating this G protein-coupled receptor with an EC₅₀ value of 0.37 nM.

REFERENCES

- [1]. Tatemoto, K., Hosoya, M., Habata, Y., et al. Isolation and characterization of a novel endogenous peptide ligand for the human APJ receptor. *Biochemical and Biophysical Research Communications* 251, 471-476 (1998).
- [2]. Li M, et al. Apelin 13 ameliorates metabolic and cardiovascular disorders in a rat model of type 2 diabetes with a high fat diet. *Mol Med Rep.* 2018 Dec;18(6):5784-5790.

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

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