(Ala13)-Apelin-13 TFA

Cat. No.: HY-P3162A

Molecular Formula: $C_{63}H_{107}N_{23}O_{16}S.xC_2HF_3O_2$

Target: Apelin Receptor (APJ)

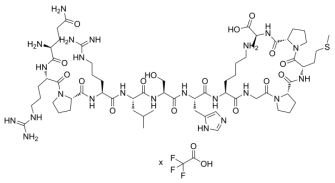
Pathway: GPCR/G Protein

Storage: Sealed storage, away from moisture and light

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)



SOLVENT & SOLUBILITY

In Vitro	H_2O : 100 mg/mL (Need ultrasonic)

BIOLOGICAL ACTIVITY

Description	(Ala13)-Apelin-13 TFA is a potent apelin receptors (APJ) antagonist. (Ala13)-Apelin-13 TFA inhibits gastric motility through vagal cholinergic pathway[1].
In Vivo	(Ala13)-Apelin-13 TFA (1-300 pmol/60 nl; microinjected into the DVC) decreases gastric tone and motility in a dose-dependent manner in rats[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Bülbül M, et al. Apelin-13 inhibits gastric motility through vagal cholinergic pathway in rats. Am J Physiol Gastrointest Liver Physiol. 2018 Feb 1;314(2):G201-G210.

[2]. O'Harte FPM,et al. Acylated apelin-13 amide analogues exhibit enzyme resistance and prolonged insulin releasing, glucose lowering and anorexic properties. Biochem Pharmacol. 2017 Dec 15;146:165-173.

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