M65 TFA

Cat. No.: HY-P4127A

Molecular Formula: $C_{205}H_{326}N_{64}O_{61}S_5.xC_2HF_3O_2$

Sequence: Cys-Asp-Ala-Thr-Cys-Gln-Phe-Arg-Lys-Ala-Ile-Asp-Asp-Cys-Gln-Lys-Gln-Ala-His-His-Ser-Asn-Val-Pro-Gly-Asn-Ser-Val-Phe-Lys-Glu-Cys-Met-Lys-Gln-Lys-Lys-Lys-Glu-Phe-Lys-Ala-NH2 (Disulfide bridge:Cys1-Cys5,Cys14-Cys32)

Cys-Asp-Ala-Thr-Cys-Gln-Phe-Arg-Lys-Ala-Ile-Asp-Asp-Cys-Gln-Lys-Gln-Ala-His-His-Ser-Asn-Val-Pro-Gly-Asn-Ser-Val-Phe-Lys-Glu-Cys-Met-Lys-Gln-Lys-Lys-Lys-Glu-Phe-Lys-Ala-NH_2 (Disulfide bridge:Cys_1-Cys_5,Cys_{14}-Cys_{32}) (TFA salt)

Sequence Shortening: CDATCQFRKAIDDCQKQAHHSNVPGNSVFKECMKQKKKEFKA-NH2 (Disulfide bridge:Cys1-Cys5,Cys14-Cys32)

Target: Others

Pathway: Others

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.

SOLVENT & SOLUBILITY

In Vitro	H_2O : ≥ 50 mg/mL * "≥" means soluble, but saturation unknown.

BIOLOGICAL ACTIVITY

Description	M65 TFA is a deleted peptide of maxadilan and is a specific antagonist of PACAP type 1 receptor that inhibits ANP secretion and can be used for relevant researches[1][2].
In Vitro	M65 (1 μM) completely blocks the cAMP accumulation stimulated by 100 nM of VIP, and partially inhibits the cAMP accumulation stimulated by 1 nM of maxadilan in rat cortical neurons[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Lerner EA, et al. Maxadilan, a PAC1 receptor agonist from sand flies. Peptides. 2007 Sep;28(9):1651-4.

[2]. Uchida D, et al. Maxadilan is a specific agonist and its deleted peptide (M65) is a specific antagonist for PACAP type 1 receptor. Ann N Y Acad Sci. 1998 Dec 11;865:253-8.

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