

M65

Cat. No.:	HY-P4127
CAS No.:	1872440-65-7
Molecular Formula:	C ₂₀₅ H ₃₂₆ N ₆₄ O ₆₁ S ₅
Molecular Weight:	4823.53
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-NH ₂ (Disulfide bridge:Cys1-Cys5,Cys14-Cys32)
Sequence Shortening:	CDATCQFRKAIDDCQKQAHHSNVPGNSVFKCKMKQKKKEFKA-NH ₂ (Disulfide bridge:Cys1-Cys5,Cys14-Cys32)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	M65 is a deleted peptide of maxadilan (61 a.a.) with deletion of the residues between positions 24 and 42 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.

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

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