

Ac-(d-Arg)-CEH-(d-Phe)-RWC-NH2

Cat. No.:	HY-P4764
CAS No.:	819048-44-7
Molecular Formula:	C ₅₁ H ₇₀ N ₁₈ O ₁₁ S ₂
Molecular Weight:	1175.35
Sequence:	Ac-[d-Arg]-Cys-Glu-His-[d-Phe]-Arg-Trp-Cys-NH ₂ (Disulfide bridge: Cys2-Cys8)
Sequence Shortening:	Ac-[d-Arg]-CEH-[d-Phe]-RWC-NH ₂ (Disulfide bridge: Cys2-Cys8)
Target:	Melanocortin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Ac-DArg-c[Cys-Glu-His-DPhe-Arg-Trp-Cys]-NH₂ is a cyclic octapeptide with MC4R agonism. Ac-DArg-c[Cys-Glu-His-DPhe-Arg-Trp-Cys]-NH₂ significantly increases heart rate and blood pressure^[1].

REFERENCES

[1]. Doering SR, et al. Discovery of Nanomolar Melanocortin-3 Receptor (MC3R)-Selective Small Molecule Pyrrolidine Bis-Cyclic Guanidine Agonist Compounds Via a High-Throughput "Unbiased" Screening Campaign. *J Med Chem.* 2021 May 13;64(9):5577-5592. doi: 10.1021/acs.jmedchem.0c02041. Epub 2021 Apr 22. Erratum in: *J Med Chem.* 2023 May 25;66(10):7063-7065.

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

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