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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anantin

Cat. No.:	HY-P10278
CAS No.:	133658-45-4
Molecular Formula:	C ₉₀ H ₁₁₁ N ₂₁ O ₂₄
Molecular Weight:	1870.97
Sequence:	Gly-Phe-Ile-Gly-Trp-Gly-Asn-Asp-Ile-Phe-Gly-His-Tyr-Ser-Gly-Asp-Phe (Lactam bridge: Gly1-Asp8)
Sequence Shortening:	GFIGWGNDIFGHYSGDF (Lactam bridge:Gly1-Asp8)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Anantin binds competitively to the receptor of atrial natriuretic factor (ANF) from bovine adrenal cortex ($K_d = 0.6 \mu\text{M}$) and acts as natriuretic peptide receptor A antagonist^{[1][2]}.

REFERENCES

[1]. Wyss DF, et al. Anantin--a peptide antagonist of the atrial natriuretic factor (ANF). II. Determination of the primary sequence by NMR on the basis of proton assignments. J Antibiot (Tokyo). 1991 Feb;44(2):172-80.<https://pubmed.ncbi.nlm.nih.gov/1826288/1>. Wyss DF, et al. Anantin--a peptide antagonist of the atrial natriuretic factor (ANF). II. Determination of the primary sequence by NMR on the basis of proton assignments. J Antibiot (Tokyo). 1991 Feb;44(2):172-80.

[2]. Nachshon S, et al. Effects of ANP receptor antagonists on ANP secretion from adult rat cultured atrial myocytes. Am J Physiol. 1995 Mar;268(3 Pt 1):E428-32.

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

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