

[Ala2] Endothelin-3, human

Cat. No.:	HY-P3571
CAS No.:	2243207-08-9
Molecular Formula:	C ₁₂₀ H ₁₆₆ N ₂₆ O ₃₂ S ₄
Molecular Weight:	2613.02
Sequence:	Cys-Ala-Cys-Phe-Thr-Tyr-Lys-Asp-Lys-Glu-Cys-Val-Tyr-Tyr-Cys-His-Leu-Asp-Ile-Ile-Trp (Disulfide bridge: Cys1-Cys15; Cys3-Cys11)
Sequence Shortening:	CACFTYKDKECVYYCHLDIIW (Disulfide bridge: Cys1-Cys15; Cys3-Cys11)
Target:	Endothelin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

[Ala2] Endothelin-3, human is a linear analog of endothelin-3 (ET-3) where substitution of Ala for Cys residues. TE-3 is a vasoactive peptide, produced by human rhabdomyosarcoma cell lines, whereas it is not expressed by human sarcoma cell lines of non-muscle origin. ET-3 acts as a paracrine factor, since it promotes migration of endothelial cells^{[1][2]}.

REFERENCES

- [1]. Palladini A, et al. Endothelin-3 production by human rhabdomyosarcoma: a possible new marker with a paracrine role. Eur J Cancer. 2006 Mar;42(5):680-7.
- [2]. Davenport AP, et al. Endothelin. Pharmacol Rev. 2016 Apr;68(2):357-418.

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

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