

Product Datasheet

Endothelin 1 Human peptide (orb216573)

Description	Endothelin 1 Human peptide
Form/Appearance	Lyophilized powder
Storage	Shipped at 4°C. Store at -20°C for one year.
Note	For research use only
Application notes	Endothelin-1, a 21-amino acid peptide from vascular endothelial cells of different mammalian species, is one of the most potent vasoconstrictors. ET-1 exerts a wide variety of effects on both vascular and non-vascular (e.g. heart, lung, brain) tissues. Toxic peptides from a snake venom, the sarafotoxins, show structural and functional homology to ET-1. The role of ET-1 in clinical hypertension has been reviewed by Dhaun et al. and by Sreenivas and Oparil. ET-1 plays a central role in lung fibrosis.
Protein Sequence	H-Cys-Ser-Cys-Ser-Ser-Leu-Met-Asp-Lys-Glu-Cys-Val-Tyr-Phe-Cys-His-Leu-Asp-Ile-Ile-Trp-OH (Disulfide bridge Cys1-Cys15, Cys3-Cys11)
Formula	$C_{109}H_{159}N_{25}O_{32}S_5$
Purity	> 95%
Source	Synthetic
MW	2491.95
CAS Number	117399-94-7
Expiration Date	12 months from date of receipt.

