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Product Information

Endothelin 1 human, porcine

Product Number **E 7764**

Storage Temperature -0 °C

Product Description

Molecular Formula: $C_{109}H_{159}N_{25}O_{32}S_5$

Molecular Weight: 2492

CAS Number: 117399-94-7

Endothelin 1 is among the most potent positively inotropic agents. Researchers studied pH effects, testing 1 nM endothelin and 0.1 mM amiloride. H-7 and sphingosine diminished or abolished pH increase in response to endothelin and reduced inotropic effect by 45%. EC_{50} in this system is 50 pM.¹

This is a synthetic product.

Endothelin 1 has been used for coating wells in polystyrene ELISA plates.

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Storage/Stability

Soluble at 1 mg/ml in water or 1% acetic acid.

Oxygen free water should be used to reconstitute this peptide to minimize oxidation. Product has a limited lifetime in solution. Long term storage in solution should be avoided.

References

1. Kramer, B.K. et al., Endothelin and increased contractility in adult rat ventricular myocytes. Role of intracellular alkalosis induced by activation of the protein kinase C-dependent Na^+H^+ exchanger. *Circulation Research*, **68(1)**, 269-279 (1991).

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