

Endothelin



Endothelin is a peptide produced by the endothelium using an endothelin converting enzyme (ECE) on the endothelial membrane. A representative of endothelins is **endothelin-1**. Endothelin release is stimulated by angiotensin II, ADH, thrombin, cytokines and oxygen radicals. Endothelin-1 acts as a vasoconstrictor, promotes fibrotization, cell proliferation, cardiac hypertrophy or remodeling, and has pro-inflammatory effects. By blocking its receptors (**ETA** or **ETB**) these effects are minimized. Inhibitors of these receptors are called **sentanes** and are used in **pulmonary hypertension** therapy.

Links

Related articles

- Vasoconstriction
- RAAS
- Hypertrophy

References

SLÍVA, Jiří, et al. Farmakologie. 1.. vydání. Praha : Nakladatelství TRITON, 2010. 238 s. s. 53. ISBN 978-80-7387-424-7.