
Product Data Sheet

Product Name: Ac-Endothelin-1 (16-21), human

Cat. No.: GP10121

Chemical Properties

Cas. No.

SMILES O=C(N[C@@H](CC(C)C)C(N[C@@H](CC(O)=O)C(N[C@@H]([C@H](C)CC)C(N[C@@H](CC1=CC(C=CC=C2)=C2N1)C(O)=O)=O)=O)[C@H](CC3=CNC=N3)NC(C)=O

Formula C₄₁H₅₉N₉O₁₀

M.Wt 837.96

Solubility ≥ 83.8mg/mL in DMSO with gentle warming

Storage Store at -20°C

General tips

For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

ENDOTHELIN-1 (ET-1), the principal peptide of the endothelin family, has been shown to have a variety of biological activities in both vascular and nonvascular tissues, including the heart, the kidney, and the central nervous system.

At the cellular level, the effects of ET-1 appear to be mediated by two specific receptor subtypes termed ETA and ETB, both of which are functionally coupled to phospholipase C (PLC).

The C-terminal fragment , which is a highly conserved sequence in the peptides of the ET family, has been shown to discriminate between the two ET receptor subtypes termed ETA and ETB since it activates only the latter ones.

References:

1. Rubanyi, G. M., and M. A. Polokoff. Endothelins: molecular biology, biochemistry, pharmacology, physiology, and pathophysiology. Pharmacol. Rev. 46: 325-415, 1994
2. Simonson MS. Endothelins: multifunctional renal peptides. Physiol Rev 1993; 73: 375-

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

- 411.
3. PM Vanhoutte Endothelin-1. A matter of life and breath, Nature, 368 (1994), pp. 693-694

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA