

Data Sheet (Cat.No.T22540)

Ac-Endothelin-1 (16-21), human

Chemical Properties

CAS No.:	T22540
Formula:	C41H59N9O10
Molecular Weight:	837.96
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	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. 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.
In vitro	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).

Solubility Information

Solubility	DMSO: ≥83.8mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.193 mL	5.967 mL	11.934 mL
5 mM	0.239 mL	1.193 mL	2.387 mL
10 mM	0.119 mL	0.597 mL	1.193 mL
50 mM	0.024 mL	0.119 mL	0.239 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

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