

Endothelin 1 (swine, human) acetate

Chemical Properties

CAS No. :

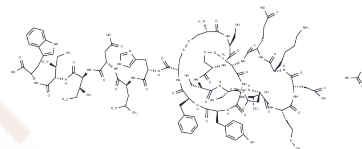
Formula: C111H163N25O34S5

Molecular Weight: 2551.95

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Endothelin 1 (swine, human) acetate is a synthetic peptide with the sequence of human and swine Endothelin 1. Endothelin 1 is a potent endogenous vasoconstrictor and acts through two types of receptors ETA and ETB.
Targets(IC50)	Endothelin Receptor

Solubility Information

Solubility	DMSO: 100 mg/mL (39.19 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	H2O: < 1 mg/mL (insoluble) <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3919 mL	1.9593 mL	3.9186 mL
5 mM	0.0784 mL	0.3919 mL	0.7837 mL
10 mM	0.0392 mL	0.1959 mL	0.3919 mL
50 mM	0.0078 mL	0.0392 mL	0.0784 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kowalczyk A , Kleniewska P , Kolodziejczyk M , et al. The Role of Endothelin-1 and Endothelin Receptor Antagonists in Inflammatory Response and Sepsis[J]. Archivum Immunologiae Et Therapiae Experimentalis, 2015, 63(1):41-52.

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