

Endothelin-2 (49-69), human TFA

Chemical Properties

CAS No. :

Formula: C117H161N26F3O34S4

Molecular Weight: 2660.94

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-2 (49-69), human (TFA), is a 21-amino acid vasoactive peptide that binds to ET-RA and ET-RB receptors.
Targets(IC50)	Endothelin Receptor,Others
In vitro	At nanomolar concentrations, Endothelin-2 demonstrates potent and sustained vasoconstrictor activity characteristic of endothelin [EC50: 0.52 nM].
In vivo	Endothelin-2 typically exhibits two distinct pressor effect phases following an initial depressor response: an early phase that occurs immediately and persists for 3-10 minutes, and a subsequent late phase that emerges 10-20 minutes post-injection and prevails for over an hour.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3758 mL	1.879 mL	3.7581 mL
5 mM	0.0752 mL	0.3758 mL	0.7516 mL
10 mM	0.0376 mL	0.1879 mL	0.3758 mL
50 mM	0.0075 mL	0.0376 mL	0.0752 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

Grimshaw MJ, et al. Endothelin-2 is a macrophage chemoattractant: implications for macrophage distribution in tumors. Eur J Immunol. 2002 Sep;32(9):2393-400.

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