

Endothelin-1 (1-31) (Human) TFA

Chemical Properties

CAS No. :

Formula: C164H237F3N38O49S5

Molecular Weight: 3742.18

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 (1-31) (Human) TFA, a potent vasoconstrictor and hypertensive agent, originates from chymase-mediated selective hydrolysis of big ET-1 [1].
Targets(IC50)	ERK
In vitro	Endothelin-1 (1-31) (Human) induces proliferation of human mesangial cells at concentrations of 100 pM to 100 nM over 24 hours and triggers ERK activation at 100 nM within 0 to 10 minutes [2].
In vivo	ET-1 (1-31) (100 nM; single dose) TFA induces constriction of mesenteric arteries in mice, likely mediated by ET A receptors, with potential age-related increases, and notable gender differences observed in chronic diabetes [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2672 mL	1.3361 mL	2.6722 mL
5 mM	0.0534 mL	0.2672 mL	0.5344 mL
10 mM	0.0267 mL	0.1336 mL	0.2672 mL
50 mM	0.0053 mL	0.0267 mL	0.0534 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481