

16-38-Thymosin β 4 (cattle) (TFA)

Chemical Properties

CAS No. :

Formula: C120H205F3N32O43

Molecular Weight: 2841.1

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	Thymosin β 4 (cattle) TFA is a high-affinity activator of MLCK that operates independently of Ca ²⁺ [1].
Targets(IC50)	Myosin
In vitro	Thymosin β 4 (16-38) from cattle, at a concentration of 50 pM, significantly enhances the phosphorylation percentage of light chain 2 (LC 2) in the absence of exogenous calmodulin (CaM).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.352 mL	1.7599 mL	3.5198 mL
5 mM	0.0704 mL	0.352 mL	0.704 mL
10 mM	0.0352 mL	0.176 mL	0.352 mL
50 mM	0.007 mL	0.0352 mL	0.0704 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.

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