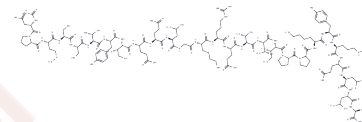


Acetyl-Calpastatin(184-210)(human)

Chemical Properties

CAS No. :	123714-50-1
Formula:	C142H230N36O44S
Molecular Weight:	3177.65
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Selective calpain inhibitor. Strongly inhibits calpain I (Ki = 0.2 nM) and II but does not inhibit papain, trypsin and cathepsin L (Ki = 6 μM). Increases secretion of amyloid β-protein (Aβ) 42, Aβ40 and Aβ42 ratio.
Targets(IC50)	Proteasome

Solubility Information

Solubility	H2O: 5 mg/mL (1.57 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3147 mL	1.5735 mL	3.147 mL
5 mM	0.0629 mL	0.3147 mL	0.6294 mL
10 mM	0.0315 mL	0.1573 mL	0.3147 mL
50 mM	0.0063 mL	0.0315 mL	0.0629 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

Maki et al (1989) Inhibition of calpain by a synthetic oligopeptide corresponding to an exon of the human calpastatin gene. J.Biol.Chem. 264 18866 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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