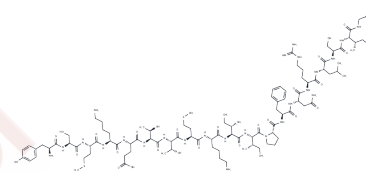


γ -Fibrinogen 377-395

Chemical Properties

CAS No. :	957792-67-5
Formula:	C100H165N25O28S2
Molecular Weight:	2229.66
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	γ -Fibrinogen377-395 is a peptide derived from fibrinogen, functioning both as an inhibitory molecule and an epitope. It inhibits microglial activation, disrupts fibrin-Mac-1 interactions in vitro, and mitigates experimental autoimmune encephalomyelitis (EAE) in murine models in vivo. This compound is relevant for research into multiple sclerosis (MS) and other neuroinflammatory disorders characterized by blood-brain barrier compromise and microglial activation [1].
In vitro	The compound γ -Fibrinogen377-395 at a concentration of 200 μ M inhibits the binding of fibrinogen to Mac-1, thereby reducing the adhesion of Mac-1 overexpressing cells to immobilized fibrinogen. Additionally, γ -Fibrinogen377-395 suppresses the activation of microglia [1].
In vivo	γ -Fibrinogen377-395 (30 μ g/mouse; intranasal administration; once daily for 40 days) improved motor function in mice without affecting peripheral immune responses or altering coagulation properties. Additionally, mice immunized with γ 377-395 peptide before EAE induction showed enhanced motor strength and coordination compared to the control group [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4485 mL	2.2425 mL	4.485 mL
5 mM	0.0897 mL	0.4485 mL	0.897 mL
10 mM	0.0448 mL	0.2242 mL	0.4485 mL
50 mM	0.009 mL	0.0448 mL	0.0897 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

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