

TP508

Chemical Properties

CAS No. : 121341-81-9

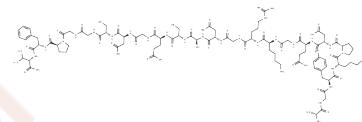
Formula: C97H146N28O36S

Molecular Weight: 2312.44

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	TP508 is a 23 amino acid synthetic peptide representing residues 508-530 of human prothrombin which is identified as a potential receptor-binding domain based on competition for high-affinity thrombin binding to fibroblasts. TP508 (Chrysalin) is an investigational peptide drug that was developed for use in stimulating repair of dermal and musculoskeletal tissues.
Targets(IC50)	NO Synthase, Thrombin

Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4324 mL	2.1622 mL	4.3244 mL
5 mM	0.0865 mL	0.4324 mL	0.8649 mL
10 mM	0.0432 mL	0.2162 mL	0.4324 mL
50 mM	0.0086 mL	0.0432 mL	0.0865 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

Olszewska-Pazdrak B, et al. Nuclear Countermeasure Activity of TP508 Linked to Restoration of Endothelial Function and Acceleration of DNA Repair. Radiat Res. 2016 Aug;186(2):162-74.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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