

heparin cofactor II precursor (SERPIND1) fragment [Homo sapiens]

Chemical Properties

CAS No. :

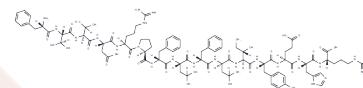
Formula: C₉₅H₁₃₇N₂₃O₂₂

Molecular Weight: 1953.25

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	Heparin cofactor II precursor (SERPIND1) fragment [Homo sapiens] is a peptide with the sequence H ₂ N-Phe-Thr-Val-Asp-Arg- Pro-Phe-Leu-Phe-Leu-Ile-Tyr-Glu-His-Arg-OH, MW=1953.25.
Targets(IC50)	Others
In vitro	Heparin cofactor II(HCII), a protein encoded by the SERPIND1 gene, is a coagulation factor that inhibits IIa and is a cofactor for heparin and dermatan sulfate. The product encoded by this gene is a serine proteinase inhibitor which rapidly inhibits thrombin in the presence of dermatan sulfate or heparin. The gene contains five exons and four introns. This protein shares homology with antithrombin III and other members of the alpha 1-antitrypsin superfamily. Mutations in this gene are associated with heparin cofactor II deficiency. Heparin Cofactor II deficiency can lead to increased thrombin generation and a hypercoagulable state [1][2].

Solubility Information

Solubility	DMSO: ≥65.1 mg/mL, 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	0.512 mL	2.5598 mL	5.1197 mL
5 mM	0.1024 mL	0.512 mL	1.0239 mL
10 mM	0.0512 mL	0.256 mL	0.512 mL
50 mM	0.0102 mL	0.0512 mL	0.1024 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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