

## heparin cofactor II precursor fragment [Homo sapiens]

## Chemical Properties

CAS No. :

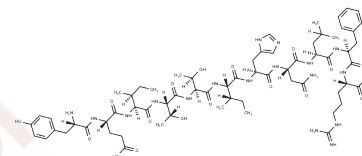
Formula: C<sub>65</sub>H<sub>99</sub>N<sub>17</sub>O<sub>18</sub>

Molecular Weight: 1406.58

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 fragment [Homo sapiens] is a peptide with the sequence H <sub>2</sub> N-Tyr-Glu-Ile-Thr-Thr-Ile-His-Asn-Leu-Phe-Arg-OH, MW=1406.58.
Targets(IC50)	Others
In vitro	Heparin cofactor II(HCII) 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: ≥140.7 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.7109 mL	3.5547 mL	7.1094 mL
5 mM	0.1422 mL	0.7109 mL	1.4219 mL
10 mM	0.0711 mL	0.3555 mL	0.7109 mL
50 mM	0.0142 mL	0.0711 mL	0.1422 mL

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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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