

## Icatibant Acetate

## Chemical Properties

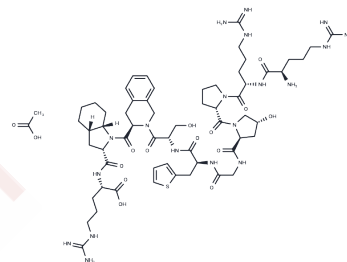
CAS No. : 138614-30-9

Formula: C<sub>61</sub>H<sub>93</sub>N<sub>19</sub>O<sub>15</sub>S

Molecular Weight: 1364.57

Storage: Keep away from moisture, Store at low temperature  
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	Icatibant Acetate, an antagonist of the bradykinin B2 receptor, is used in the treatment of hereditary angioedema.
Targets(IC50)	Bradykinin Receptor
In vitro	Icatibant is a decapeptide resistant to the bradykinin-degrading proteases, leading to a longer half-life than bradykinin which it antagonizes[1].
In vivo	Icatibant treatment exhibits efficacy in bradykinin-mediated angioedema attacks, and rapidly relieves symptom [1].

## Solubility Information

Solubility	H <sub>2</sub> O: 100 mg/mL (73.28 mM), Sonication is recommended. DMSO: 122.5 mg/mL (89.77 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (7.33 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.7328 mL	3.6642 mL	7.3283 mL
5 mM	0.1466 mL	0.7328 mL	1.4657 mL
10 mM	0.0733 mL	0.3664 mL	0.7328 mL
50 mM	0.0147 mL	0.0733 mL	0.1466 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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