

KKI-5

## Chemical Properties

CAS No. : 97145-43-2

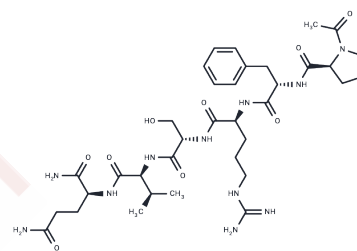
Formula: C<sub>35</sub>H<sub>55</sub>N<sub>11</sub>O<sub>9</sub>

Molecular Weight: 773.88

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	KKI 5 is a serine protease inhibitor that inhibits kallikrein and plasmin. KKI 5 may exhibit anticancer chemotherapeutic benefit and may also be used as a treatment for angioedema.
Targets(IC50)	Serine Protease

## Solubility Information

Solubility	H <sub>2</sub> O: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2922 mL	6.461 mL	12.9219 mL
5 mM	0.2584 mL	1.2922 mL	2.5844 mL
10 mM	0.1292 mL	0.6461 mL	1.2922 mL
50 mM	0.0258 mL	0.1292 mL	0.2584 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

Deshpande MS, et al. Mapping the binding site of tissue kallikrein: preparation and testing of all possible substrate analog inhibitors homologous with the sequence of kininogen between Ser386 and Gln392. J Med Chem. 1992 Aug 21;35(17):3094-102.

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