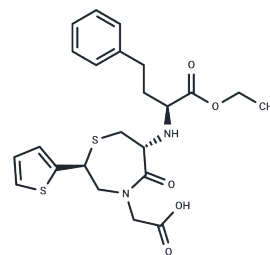


## Temocapril

## Chemical Properties

CAS No. :	111902-57-9
Formula:	C <sub>23</sub> H <sub>28</sub> N <sub>2</sub> O <sub>5</sub> S <sub>2</sub>
Molecular Weight:	476.61
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	Temocapril is an inhibitor of tyrosine kinase.
Targets(IC50)	Angiotensin-converting Enzyme (ACE), Tyrosinase

## Solubility Information

Solubility	DMSO: 125 mg/mL (262.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.2 mM), Sonication is recommended. <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

	1mg	5mg	10mg
1 mM	2.0982 mL	10.4908 mL	20.9815 mL
5 mM	0.4196 mL	2.0982 mL	4.1963 mL
10 mM	0.2098 mL	1.0491 mL	2.0982 mL
50 mM	0.042 mL	0.2098 mL	0.4196 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

Yasunari K , Maeda K , Nakamura M , et al. Pharmacological and Clinical Studies with Temocapril, an Angiotensin Converting Enzyme Inhibitor that is Excreted in the Bile[J]. Cardiovascular Therapeutics, 2004, 22(3):189-198.

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