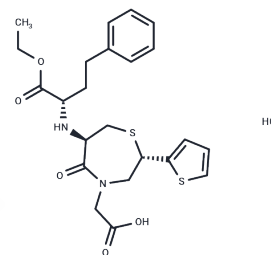


Temocapril hydrochloride

Chemical Properties

CAS No. :	110221-44-8
Formula:	C ₂₃ H ₂₈ N ₂ O ₅ S ₂ ·HCl
Molecular Weight:	513.07
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Temocapril hydrochloride (CS-622 HCl), the hydrochloride of Temocapril, is a long-acting ACE inhibitor used for the therapy of hypertension.
Targets(IC50)	RAAS
Kinase Assay	C2C12 cells are seeded into 96-well plates at 2,000 cells per well in DMEM supplemented with 2% FBS. The wells are treated in quadruplicate with BMP ligands and LDN-193189 or vehicle. The cells are collected after 6 d in culture in 50 μ L Tris-buffered saline and 1% Triton X-100. The lysates are added to p-nitro-phenylphosphate reagent in 96-well plates for 1 h and then evaluated alkaline phosphatase activity (absorbance at 405 nm). Cell viability are measured and quantity by Cell Titer Aqueous One (absorbance at 490 nm), using replicate wells treated identically to those used for alkaline phosphatase measurements[1].

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: 95 mg/mL (185.16 mM), Sonication is recommended. DMSO: 95 mg/mL (185.16 mM), 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	1.9491 mL	9.7453 mL	19.4905 mL
5 mM	0.3898 mL	1.9491 mL	3.8981 mL
10 mM	0.1949 mL	0.9745 mL	1.9491 mL
50 mM	0.039 mL	0.1949 mL	0.3898 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.

Reference

Suzuki H, Kawaratani T, Shioya H, Uji Y, Saruta T. Biopharm Drug Dispos. 1993 Jan;14(1):41-50.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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