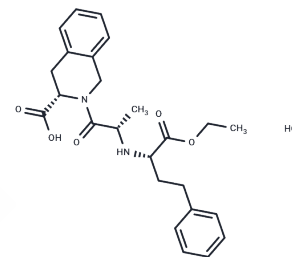


Quinapril hydrochloride

Chemical Properties

CAS No. : 82586-55-8
 Formula: C₂₅H₃₁ClN₂O₅
 Molecular Weight: 474.98
 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	Quinapril hydrochloride (PD-109452-2) is an angiotensin-converting enzyme (ACE) inhibitor used in the therapy of hypertension and congestive heart failure. Quinapril hydrochloride is associated with a low rate of transient serum aminotransferase elevations, but has yet to be linked to instances of acute liver injury.
Targets(IC50)	RAAS,Angiotensin-converting Enzyme (ACE)

Solubility Information

Solubility	Ethanol: 88 mg/mL (185.27 mM),Sonication is recommended. H ₂ O: 87 mg/mL (183.17 mM),Sonication is recommended. DMSO: 65 mg/mL (136.85 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 (4.21 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	2.1054 mL	10.5268 mL	21.0535 mL
5 mM	0.4211 mL	2.1054 mL	4.2107 mL
10 mM	0.2105 mL	1.0527 mL	2.1054 mL
50 mM	0.0421 mL	0.2105 mL	0.4211 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

Watson AM, et al. Atherosclerosis. 2014 Aug;235(2):444-8.

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