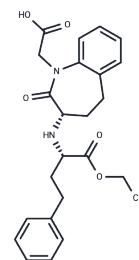


Benazepril

Chemical Properties

CAS No. :	86541-75-5
Formula:	C ₂₄ H ₂₈ N ₂ O ₅
Molecular Weight:	424.49
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	Benazepril is an orally active ACE (angiotensin-converting enzyme) inhibitor commonly used to treat hypertension, heart failure, diabetic nephropathy, and other conditions. Benazepril is also studied in cardiovascular and renal physiology research systems to investigate angiotensin-converting enzyme inhibition, blood pressure regulation mechanisms, and renal hemodynamic responses in mammalian models. Benazepril is further applied in pharmacological research evaluating combination formulations such as benazepril/hydrochlorothiazide and benazepril/amlodipine in antihypertensive pathway modulation studies.
Targets(IC50)	Angiotensin-converting Enzyme (ACE)

Solubility Information

Solubility	DMSO: 80 mg/mL (188.46 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	2.3558 mL	11.7788 mL	23.5577 mL
5 mM	0.4712 mL	2.3558 mL	4.7115 mL
10 mM	0.2356 mL	1.1779 mL	2.3558 mL
50 mM	0.0471 mL	0.2356 mL	0.4712 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

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