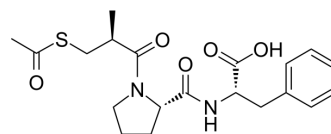


Alacepril

Cat. No.:	HY-107318	
CAS No.:	74258-86-9	
Molecular Formula:	C ₂₀ H ₂₆ N ₂ O ₅ S	
Molecular Weight:	406.5	
Target:	Angiotensin-converting Enzyme (ACE)	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (246.00 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.4600 mL	12.3001 mL	24.6002 mL
		5 mM	0.4920 mL	2.4600 mL	4.9200 mL
	10 mM	0.2460 mL	1.2300 mL	2.4600 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (6.15 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (6.15 mM); Clear solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (6.15 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Alacepril (Cetapril) is an orally active angiotensin converting enzyme (ACE) inhibitor with long lasting antihypertensive effect [1].
In Vivo	The long lasting antihypertensive effect of Alacepril in renal hypertensive rats is confirmed by once daily successive oral administration (1-2 mg/kg/d). In renal hypertensive dogs, Alacepril (3 mg/kg) showed a stable and sustained hypotensive effect, and its duration of action was longer than that of captopril ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Takeyama K, et al. Antihypertensive activity of alacepril, an orally active angiotensin converting enzyme inhibitor, in renal hypertensive rats and dogs. *Arzneimittelforschung*. 1985;35(10):1502-1507.

Caution: Product has not been fully validated for medical applications. For research use only.

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