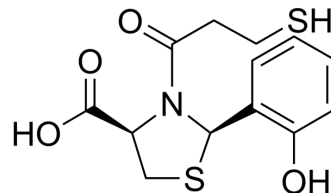


Rentiapril

Cat. No.:	HY-106446
CAS No.:	80830-42-8
Molecular Formula:	C ₁₃ H ₁₅ NO ₄ S ₂
Molecular Weight:	313.39
Target:	Angiotensin-converting Enzyme (ACE)
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (638.18 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.1909 mL	15.9546 mL	31.9091 mL
		5 mM		0.6382 mL	3.1909 mL	6.3818 mL
	10 mM		0.3191 mL	1.5955 mL	3.1909 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 5 mg/mL (15.95 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (15.95 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (15.95 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	Rentiapril is an orally active angiotensin converting enzyme (ACE) inhibitor with antihypertensive activity ^{[1][2]} .
IC₅₀ & Target	Angiotensin converting enzyme ^[1]

REFERENCES

[1]. Cozens DD, et al. Reproductive toxicity studies of rentiapril. *Arzneimittelforschung*. 1987 Feb;37(2):164-9.

[2]. Ideishi M, et al. Effects of the angiotensin converting enzyme inhibitors captopril, rentiapril, and alacepril in patients with essential and renovascular hypertension. Clin Ther. 1989 Jul-Aug;11(4):441-51.

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

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