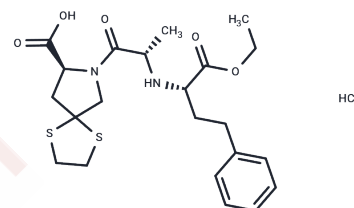


Spirapril hydrochloride

Chemical Properties

CAS No. :	94841-17-5
Formula:	C ₂₂ H ₃₁ ClN ₂ O ₅ S ₂
Molecular Weight:	503.07
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	Spirapril hydrochloride (SCH 33844 hydrochloride) is a potent angiotensin converting enzyme inhibitor with antihypertensive activity that competitively blocks the conversion of angiotensin I to angiotensin II, functions as an orally active proagent of spiraprilat, and is extensively utilized in cardiovascular research focused on hypertension and congestive heart failure pathophysiology and therapeutic intervention.
Targets(IC50)	RAAS
In vivo	In vivo studies demonstrate that Spirapril hydrochloride has the capacity to cross the blood-brain barrier (BBB) and influence the central renin-angiotensin system. In TGM123 transgenic mice (characterized by elevated angiotensinogen), oral administration of Spirapril (10 mg/kg for 3 weeks) is associated with a reduction in voluntary alcohol intake [1].

Solubility Information

Solubility	DMSO: 80 mg/mL (159.02 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	1.9878 mL	9.939 mL	19.8779 mL
5 mM	0.3976 mL	1.9878 mL	3.9756 mL
10 mM	0.1988 mL	0.9939 mL	1.9878 mL
50 mM	0.0398 mL	0.1988 mL	0.3976 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

B Maul, et al. Alcohol consumption is controlled by angiotensin II. FASEB J

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