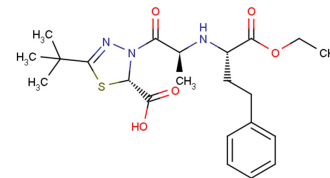


Utibapril

Chemical Properties

CAS No.:	109683-61-6
Formula:	C ₂₂ H ₃₁ N ₃ O ₅ S
Molecular Weight:	449.56
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Utibapril is an inhibitor of angiotensin-converting enzyme (ACE) with antihypertensive activities.
Targets(IC ₅₀)	Others: None
In vivo	Utibapril significantly inhibits plasma, renal, and vascular ACE but not ventricular ACE activity. vascular ACE activity significantly inhibited by Utibapril (2 µg/kg/day), and Utibapril (250 µg/kg/day) results in significant inhibition of plasma ACE. After treatment with the higher doses of utibapril, Furthermore, angiotensin I-induced decreases in coronary flow in the isolated heart are significantly inhibited [1]. FPL 63547 is rapidly and extensively excreted as the diacid in the bile but appeared in the urine in negligible amounts [2].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.224 mL	11.122 mL	22.244 mL
5 mM	0.445 mL	2.224 mL	4.449 mL
10 mM	0.222 mL	1.112 mL	2.224 mL
50 mM	0.044 mL	0.222 mL	0.445 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Buikema H, et al. Differential inhibition of plasma versus tissue ACE by utibapril: biochemical and functional evidence for inhibition of vascular ACE activity. *J Cardiovasc Pharmacol.* 1997 May;29(5):684-91.
2. Carr RD, et al. Preferential biliary elimination of FPL 63547, a novel inhibitor of angiotensin-converting enzyme, in the rat. *Br J Pharmacol.* 1990 May;100(1):90-4.

Inhibitors · Natural Compounds · Compound Libraries

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