
Product Data Sheet

Product Name: Utibapril (FPL 63547)

Cat. No.: GC32534

Chemical Properties

Cas. No. 109683-61-6

SMILES O=C([C@@H]1SC(C(C)(C)C)=NN1C([C@@H](N[C@H](C(OCC)=O)CCC2=CC=CC=C2)C)=O)O

Formula	C ₂₂ H ₃₁ N ₃ O ₅ S	M.Wt	449.56
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Utibapril is an angiotensin-converting enzyme (ACE) inhibitor with antihypertensive activities.

Utibapril significantly inhibits plasma, renal, and vascular ACE but not ventricular ACE activity. Utibapril (2 µg/kg/day) significantly inhibits vascular ACE activity, and Utibapril (250 µg/kg/day) results in a significant inhibition of plasma ACE. Furthermore, angiotensin I-induced decreases in coronary flow in the isolated heart are significantly inhibited after treatment with the higher doses of utibapril[1]. FPL 63547 is rapidly and extensively excreted as the diacid in the bile but appeared in the urine in negligible amounts[2].

[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.

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

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