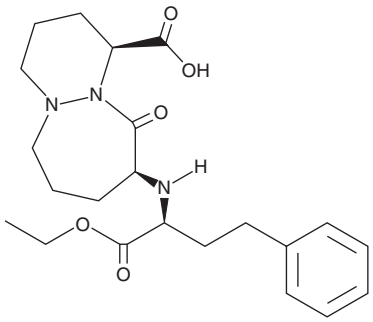
PRODUCT INFORMATION

Cilazapril

Item No. 29777

CAS Registry No.: 88768-40-5
Formal Name: (1S,9S)-9-[[(1S)-1-(ethoxycarbonyl)-3-phenylpropyl]amino]octahydro-10-oxo-6H-pyridazino[1,2-a][1,2]diazepine-1-carboxylic acid
Synonym: Ro 31-2848
MF: $C_{22}H_{31}N_3O_5$
FW: 417.5
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Cilazapril is supplied as a solid. A stock solution may be made by dissolving the cilazapril in the solvent of choice, which should be purged with an inert gas. Cilazapril is slightly soluble in chloroform, methanol, and ethanol.

Description

Cilazapril is a prodrug form of the angiotensin converting enzyme (ACE) inhibitor cilazaprilat.[1] *In vivo*, cilazapril (0.1 mg/kg) inhibits plasma ACE activity and inhibits the angiotensin I-induced pressor response in anesthetized rats and cats. It decreases systolic blood pressure in spontaneously hypertensive rats when administered at a dose of 30 mg/kg. Cilazapril (10 mg/kg, p.o.) decreases blood pressure in volume-depleted renal hypertensive dogs. Formulations containing cilazapril have been used in the treatment of hypertension.

Reference

1. Waterfall, J.F. A review of the preclinical cardiovascular pharmacology of cilazapril, a new angiotensin converting enzyme inhibitor. *Br. J. Clin. Pharmacol.* **27(Suppl 2)**, 139S-150S (1989).

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