

Product Name	: Ilepatril
Synonyms	: AVE 7688; AVE7688
Cat No.	: M15556
CAS Number	: 669764-02-7
Molecular Formula	: C ₂₁ H ₂₆ N ₂ O ₅ S
Formula Weight	: 418.51
Chemical Name	: 7-[[[(2S)-2-(acetylthio)-1-oxo-3-methylpropyl]amino]-1,2,3,4,6,7,8,12b-octahydro-6-oxo-(4S,7S,12bR)-pyrido[2,1-a][2]benzazepine-4-carboxylic acid
Description	: A potent, dual ACE-neutral endopeptidase (vasopeptidase) inhibitor with IC ₅₀ of 0.053 and 5.0 nM, respectively; displays good in vitro selectivity over a large variety of targets; restores endothelial function by increasing the ratio of NO to O ₂ -concentration and bioavailability of NO, prevents albuminuria and reduces the incidence and severity of glomerulosclerosis and tubulointerstitial damage in vivo. Hypertension Phase 2 Discontinued
Pathway	: Metabolic Enzyme/Protease
Target	: ACE
Receptor	: ACE
Solubility	: —
SMILES	: <chem>CCC(C(=O)NC1CC2=CC=CC=C2C3CCCC(N3C1=O)C(=O)O)SC(=O)C</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Weckler N, et al. J Renin Angiotensin Aldosterone Syst. 2003 Sep;4(3):191-6. | 2. Schfer S, et al. Cardiovasc Res. 2003 Nov 1;60(2):447-54. | 3. Schfer S, et al. Diabetologia. 2004 Jan;47(1):98-103. | 4. Schfer S, et al. Eur J Pharmacol. 2004 Jan 26;484(2-3):361-2.

