



LKT Laboratories, Inc.

Ramipril

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Product Information

Product ID R0249

CAS No. 87333-19-5

Chemical Name [2S,3aS,6aS]-1-[(2S)-2-[[[(1S)-1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]octahydrocyclo-penta[b]pyrrole-2-carboxylic acid

Synonym Tritace, Ramace, Unipril, Vesdil

Formula C₂₃H₃₂N₂O₅

Formula Wt. 416.51

Melting Point 109° C

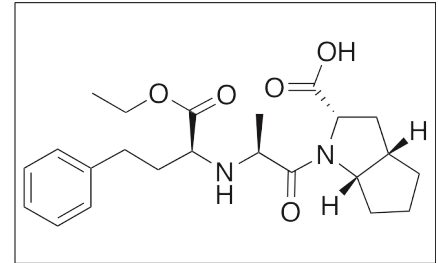
Purity ≥98%

Solubility Soluble in DMSO
(10mg/mL).and
Acetonitrile

Store Temp Ambient

Ship Temp Ambient

Description Ramipril is an angiotensin-converting enzyme (ACE) inhibitor that exhibits anti-arrhythmic, antihypertensive, and cardioprotective activities. In animal models of myocardial infarction, ramipril decreases ventricular tachycardia and ventricular fibrillation. In other, similar animal models, ramipril increases antioxidative enzyme activity, improving left ventricular ejection fraction and inhibiting left ventricular remodeling. Ramipril is clinically used to treat high blood pressure, congestive heart failure (CHF), and diabetic neuropathy.



Bulk quantities available upon request

Product ID	Size
R0249	100 mg
R0249	500 mg
R0249	1 g
R0249	5 g

References Zhong Y, Cao P, Tong C, et al. Effect of ramipril on the electrophysiological characteristics of ventricular myocardium after myocardial infarction in rabbits. *J Cardiovasc Med (Hagerstown)*. 2012 May;13(5):313-8. PMID: 22441218.

Chen CY, Lee BC, Hsu HC, et al. A proteomic study of the effects of ramipril on post-infarction left ventricular remodelling in the rabbit. *Eur J Heart Fail*. 2008 Aug;10(8):740-8. PMID: 18583185.

Dupuis F, Atkinson J, Limiñana P, et al. Comparative effects of the angiotensin II receptor blocker, telmisartan, and the angiotensin-converting enzyme inhibitor, ramipril, on cerebrovascular structure in spontaneously hypertensive rats. *J Hypertens*. 2005 May;23(5):1061-6. PMID: 15834293.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.