LKT Laboratories, Inc.

Lisinopril Dihydrate

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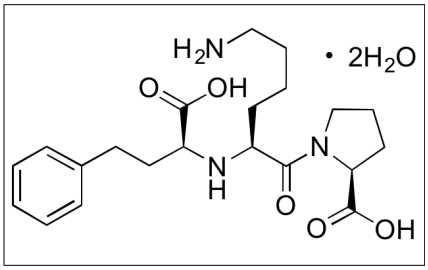
Product Information

Product ID L3374
CAS No. 83915-83-7
Chemical Name (S)-1-[N2-(1-Carboxy-3-phenylpropyl)-L-lysyl]- proline dihydrate
Synonym Acerbon, Carace, Coric, Novatec, Prinil, Tensopril, Vivatec, Zestril
Formula $C_{21}H_{31}N_3O_5 \cdot 2H_2O$
Formula Wt. 441.52
Melting Point 160°C (dec)
Purity ≥98%
Solubility Soluble in water (100 mg/mL) or DMSO (6.5mg/mL with heating and sonication), methanol (14 mg/mL). Insoluble in ethanol
Store Temp Ambient
Ship Temp Ambient



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
L3374	100 mg	$52.50
L3374	1 g	$104.90
L3374	5 g	$299.60

Description Lisinopril is an enalapril analog that inhibits angiotensin-converting enzyme (ACE), exhibiting antihypertensive, cardioprotective, and anti-fibrotic activities. Lisinopril is clinically used to treat hypertension, congestive heart failure (CHF), myocardial infarction, and retinal disorders associated with diabetes. In vivo, lisinopril decreases matrix metalloproteinase 2 (MMP2) activity, inhibits left ventricular dilation, and suppresses myocardial hypertrophy, preventing changes in contractility. In other animal models, this compound decreases hydroxyproline levels and inhibits paraquat-induced lung fibrosis. TEST!!!!!!

References

Brower GL, Levick SP, Janicki JS. Inhibition of matrix metalloproteinase activity by ACE inhibitors prevents left ventricular remodeling in a rat model of heart failure. Am J Physiol Heart Circ Physiol. 2007 Jun;292(6):H3057-64. PMID: 17308006.

Mohammadi-Karakani A, Ghazi-Khansari M, Sotoudeh M. Lisinopril ameliorates paraquat-induced lung fibrosis. Clin Chim Acta. 2006 May;367(1-2):170-4. PMID: 16458281.

Goa KL, Balfour JA, Zuanetti G. Lisinopril. A review of its pharmacology and clinical efficacy in the early management of acute myocardial infarction. Drugs. 1996 Oct;52(4):564-88. PMID: 8891468.

Apostolakis S, Krambovitis E, Vlata Z, et al. CX3CR1 receptor is up-regulated in monocytes of coronary artery diseased patients: impact of pre-inflammatory stimuli and renin-angiotensin system modulators. Thromb Res. 2007;121(3):387-395. PMID: 17521710.