



LKT Laboratories, Inc.

Trandolapril

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## Product Information

Product ID T6803

CAS No. 87679-37-6

Chemical Name

Synonym

Formula  $C_{24}H_{34}N_2O_5$

Formula Wt. 430.54

Melting Point 119-123 °C

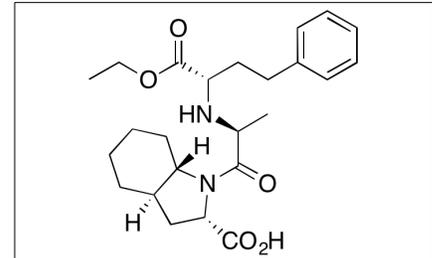
Purity ≥98%

Solubility Soluble in methanol,  
dichloromethane, DMSO,  
and ethanol

Store Temp Ambient

Ship Temp Ambient

**Description** Trandolapril is an inhibitor of angiotensin-converting enzyme (ACE) that is used to treat congestive heart failure (CHF). Trandolapril exhibits antihypertensive, neuroprotective, and cardioprotective activities. Trandolapril inhibits expression of matrix metalloproteinases 2 and 9 (MMP2/MMP9) in a middle cerebral artery occlusion model of cerebral ischemia. In other animal models, trandolapril decreases myocardial bradykinin and eNOS expression in aortic endothelium and cardiac myocytes. Additionally, this compound prevents left ventricular pressure changes and hypertrophy associated with CHF and myocardial infarction. Trandolapril attenuates cardiac dysfunction induced by heart failure, decreasing mean arterial pressure (MAP) and left ventricular systolic pressure and also minimizing heart failure-induced decreases in cardiac output and stroke volume.



## Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
T6803	25 mg	\$96.40
T6803	100 mg	\$314.50
T6803	250 mg	\$602.00
T6803	500 mg	\$996.60

**References** Tanaka H, Takai S, Jin D, et al. Inhibition of matrix metalloproteinase-9 activity by trandolapril after middle cerebral artery occlusion in rats. *Hypertens Res.* 2007 May;30(5):469-75. PMID: 17587759.

Toyoshima H, Nasa Y, Kohsaka Y, et al. The effect of chronic treatment with trandolapril on cyclic AMP- and cyclic GMP-dependent relaxations in aortic segments of rats with chronic heart failure. *Br J Pharmacol.* 1998 Jan;123(2):344-52. PMID: 9489624.

Sanbe A, Tanonaka K, Kobayasi R, et al. Effects of long-term therapy with ACE inhibitors, captopril, enalapril and trandolapril, on myocardial energy metabolism in rats with heart failure following myocardial infarction. *J Mol Cell Cardiol.* 1995 Oct;27(10):2209-22. PMID: 8576937.

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