



Product Information

Product ID L5873

CAS No. 124750-99-8

Chemical Name 2-Butyl-4-chloro-1-[[2'-(1H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-5-methanol monopotassium salt

Synonym DuPont-753, Losaprex, Lortaan, Neo-Lotan, Oscar

Formula C₂₂H₂₂ClN₆O K

Formula Wt. 461.01

Melting Point 263-265°C

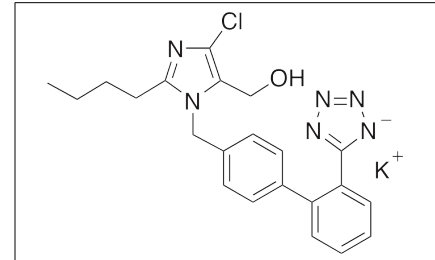
Purity ≥98%

Solubility Soluble in water to 100 mM, DMSO to 100 mM, and alcohol.

Store Temp Ambient

Ship Temp Ambient

Description Losartan is an inhibitor of the angiotensin II type 1 (AT1) receptor that exhibits antihypertensive, anti-fibrotic, and nephroprotective activities. In animal models of obstructive nephropathy, losartan decreases levels of α-SMA and collagen type 1 and inhibits phosphorylation of STAT3, suppressing renal tubular fibrosis. Losartan also inhibits the endothelial-to-mesenchymal transition through indirect inhibition of ERK activation, potentially showing anti-fibrotic benefit after myocardial infarction.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
L5873	1 g	\$60.10
L5873	5 g	\$193.10
L5873	25 g	\$622.50

References He P, Li D, Zhang B. Losartan attenuates renal interstitial fibrosis and tubular cell apoptosis in a rat model of obstructive nephropathy. *Mol Med Rep.* 2014 Aug;10(2):638-44. PMID: 24912579.

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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.

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Nagata T, Fukuzawa T, Takeda M, et al. Tofogliflozin, a novel sodium-glucose co-transporter 2 inhibitor, improves renal and pancreatic function in db/db mice. *Br J Pharmacol.* 2013 Oct;170(3):519-531. PMID: 23751087.

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