



# LKT Laboratories, Inc.

## Lofexidine Hydrochloride

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### Product Information

**Product ID** L5822  
**CAS No.** 21498-08-8  
**Chemical Name** 2-[1-(2,6-Dichlorophenoxy)ethyl]-4,5-dihydro-1H-imidazole hydrochloride

**Synonym** Lofetensin, Loxacor

**Formula** C<sub>11</sub>H<sub>12</sub>Cl<sub>2</sub>N<sub>2</sub>O • HCl

**Formula Wt.** 295.60

**Melting Point** 230-232 °C

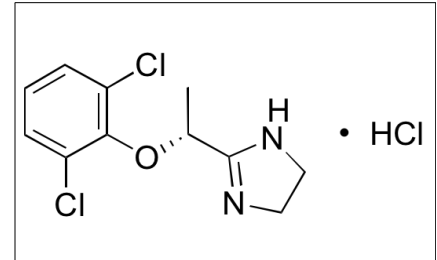
**Purity** ≥98%

**Solubility** Soluble in water and ethanol. Slightly soluble in 2-propanol. Practically insoluble in ether.

**Store Temp** 4 °C

**Ship Temp** Ambient

**Description** Lofexidine is an agonist at α<sub>2</sub>-adrenergic receptors that exhibits antihypertensive activity. Lofexidine is currently under examination as a treatment of opioid withdrawal. In animal models, lofexidine inhibits stress-induced reinstatement and self-administration of drug use.



**Bulk quantities available upon request**

Product ID	Size
L5822	1 g
L5822	5 g
L5822	25 g

**References** Gowing L, Farrell MF, Ali R, et al. Alpha<sub>2</sub>-adrenergic agonists for the management of opioid withdrawal. *Cochrane Database Syst Rev.* 2014 Mar 31;3:CD002024. PMID: 24683051.

Lê AD, Harding S, Juzysch W, et al. Role of alpha-2 adrenoceptors in stress-induced reinstatement of alcohol seeking and alcohol self-administration in rats. *Psychopharmacology (Berl).* 2005 May;179(2):366-73. PMID: 15551068.

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