



LKT Laboratories, Inc.

Venlafaxine Hydrochloride

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Product Information

Product ID V1854

CAS No. 99300-78-4

Chemical Name 1-(2-(dimethylamino)-1-(4-methoxyphenyl)ethyl)-cyclohexanol hydrochloride

Synonym Effexor, HSDB 6699, Wy 45030

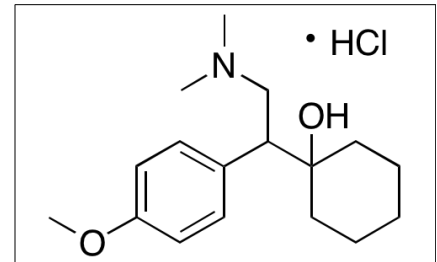
Formula C₁₇H₂₇NO₂ • HCl

Formula Wt. 313.87

Melting Point 215-217° C

Purity ≥98%

Solubility Soluble in water.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
V1854	500 mg	\$81.60
V1854	1 g	\$132.40
V1854	5 g	\$547.80

Store Temp Ambient

Ship Temp Ambient

Description Venlafaxine is an inhibitor of the serotonin transporter (SERT), norepinephrine transporter (NET), and monoamine oxidase (MAO). Venlafaxine exhibits antidepressant, analgesic, and neuroprotective activities. Venlafaxine decreases pain in animal models of diabetic neuropathy and improves cognitive performance and decreases oxidative stress parameters in 3-NP-treated animal models of Huntington's disease.

References Vidal R, Diaz A, Pazos A, et al. Region-specific regulation of 5-HT_{1B} receptors in the rat brain by chronic venlafaxine treatment. *Psychopharmacology (Berl)*. 2013 Sep;229(1):177-85. PMID: 23609771.

Cegielska-Perun K, Bujalska-Zadrożny M, Tatarkiewicz J, et al. Venlafaxine and neuropathic pain. *Pharmacology*. 2013;91(1-2):69-76. PMID: 23183148.

Fisar Z, Hroudová J, Raboch J. Inhibition of monoamine oxidase activity by antidepressants and mood stabilizers. *Neuro Endocrinol Lett*. 2010;31(5):645-56. PMID: 21200377.

Kumar P, Kalonia H, Kumar A. Nitric oxide mechanism in the protective effect of antidepressants against 3-nitropropionic acid-induced cognitive deficit, glutathione and mitochondrial alterations in animal model of Huntington's disease. *Behav Pharmacol*. 2010 May;21(3):217-30. PMID: 20480544.

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