



# LKT Laboratories, Inc.

## Nefazodone Hydrochloride

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### Product Information

**Product ID** N1822

**CAS No.** 82752-99-6

**Chemical Name** 2-[3-[4-(3-Chlorophenyl)-1-piperazinyl]propyl]-5-ethyl-2,4-dihydro-4-(2-phenoxyethyl)-3H-1,2,4-triazol-3-one hydrochloride

**Synonym** BMY-13754, MJ-13754-1, Dutonin, Serzone

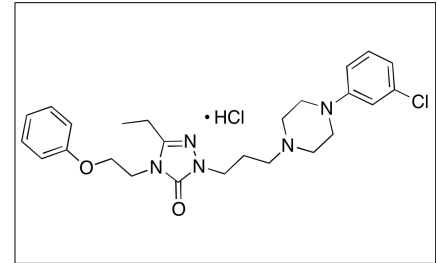
**Formula** C<sub>25</sub>H<sub>32</sub>ClN<sub>5</sub>O<sub>2</sub> · HCl

**Formula Wt.** 506.48

**Melting Point** 186-187 °C

**Purity** ≥98%

**Solubility** Slightly soluble in water.



**Bulk quantities available upon request**

Product ID	Size
N1822	1 g
N1822	5 g
N1822	25 g

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Nefazodone is an atypical antidepressant that inhibits 5-HT<sub>2</sub> receptors, serotonin transporters (SERT), norepinephrine transporters (NET), and human ether-a-go-go-related (hERG) K<sup>+</sup> channels. Nefazodone decreases immobility time in the forced swim test and is clinically used to treat depression, panic disorder, and post-traumatic stress disorder (PTSD).

**References** Shin DS, Park MJ, Lee HA, et al. A novel assessment of nefazodone-induced hERG inhibition by electrophysiological and stereochemical method. *Toxicol Appl Pharmacol.* 2014 Feb 1;274(3):361-71. PMID: 24374264.

Clayton AH, Montejo AL. Major depressive disorder, antidepressants, and sexual dysfunction. *J Clin Psychiatry.* 2006;67 Suppl 6:33-7. PMID: 16848675.

Dremencov E, Gispán-Herman I, Rosenstein M, et al. The serotonin-dopamine interaction is critical for fast-onset action of antidepressant treatment: in vivo studies in an animal model of depression. *Prog Neuropsychopharmacol Biol Psychiatry.* 2004 Jan;28(1):141-7. PMID: 14687868.

Eckler JR, Rabin RA, Winter JC. Nefazodone in the rat: mimicry and antagonism of [-]-DOM-induced stimulus control. *Pharmacol Biochem Behav.* 2003 May;75(2):405-10. PMID: 12873632.

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