



# LKT Laboratories, Inc.

## Atomoxetine Hydrochloride

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### Product Information

Product ID A7656  
CAS No. 82248-59-7  
Chemical Name

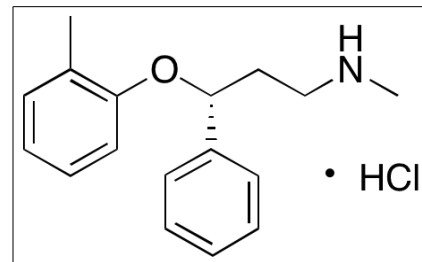
Synonym Strattera, tomoxetine, attentin

Formula  $C_{17}H_{21}NO \cdot HCl$   
Formula Wt. 291.82  
Melting Point 163-168°C  
Purity  $\geq 99\%$   
Solubility Soluble in water  
(27.8mg/mL). DMSO 58  
mg/mL. Ethanol 37 mg/mL.  
Chloroform, methanol.

Store Temp Ambient

Ship Temp Ambient

**Description** Atomoxetine hydrochloride, also known as tomoxetine hydrochloride, is a commonly prescribed treatment for a variety of ADHD subtypes. This compound also displays minor antidepressant activity, but is not active enough of its own to warrant prescription use as a treatment for depression. Atomoxetine hydrochloride inhibits norepinephrine transporters (NET), increasing norepinephrine and dopamine levels, and inhibits serotonin transporters (SERT) and N-methyl D-aspartate (NMDA) receptors to a lesser degree. Perhaps due to its modulation of neurotransmitters, atomoxetine is also currently being studied as a potential relapse prevention therapy in recently abstinent substance abuse subjects.



**Bulk quantities available upon request**

Product ID	Size
A7656	5 mg
A7656	25 mg
A7656	100 mg
A7656	250 mg

**References** Isaksson J, Hogmark A, Nilsson KW, et al. Effects of stimulants and atomoxetine on cortisol levels in children with ADHD. *Psychiatry Res.* 2013 Jul 11. pii: S0165-1781 PMID: 23850434.

Ercan ES, Akyol Ardic U, Kabukcu Basay B, et al. Atomoxetine response in the inattentive and combined subtypes of attention deficit hyperactivity disorder: a retrospective chart review. *Atten Defic Hyperact Disord.* 2013 Jun 5. [Epub ahead of print]. PMID: 23737214.

Silverstone PH, Dadashova R. Atomoxetine treatment for nicotine withdrawal: a pilot double-blind, placebo-controlled, fixed-dose study in adult smokers. *Ann Gen Psychiatry.* 2012 Mar 9;11(1):6. PMID: 22405499.

Economidou D, Dalley JW, Everitt BJ. Selective norepinephrine reuptake inhibition by atomoxetine prevents cue-induced heroin and cocaine seeking. *Biol Psychiatry.* 2011 Feb 1;69(3):266-74. PMID: 21109233.

Ludolph AG, Udvardi PT, Schaz U, et al. Atomoxetine acts as an NMDA receptor blocker in clinically relevant concentrations. *Br J Pharmacol.* 2010 May;160(2):283-91. PMID: 20423340.

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