



# LKT Laboratories, Inc.

## Oxybutynin Hydrochloride

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)  
Web: [lktlabs.com](http://lktlabs.com)

### Product Information

**Product ID** O9596

**CAS No.** 1508-65-2

**Chemical Name** 4-diethylaminobut-2-ynyl 2-cyclohexyl-2-hydroxy-2-phenylacetate

**Synonym**

**Formula**  $C_{22}H_{31}NO_3 \cdot HCl$

**Formula Wt.** 393.95

**Melting Point** 129-130°C

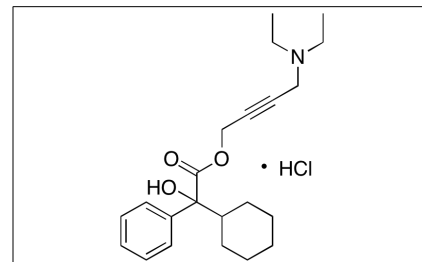
**Purity** ≥98%

**Solubility** Soluble in water (50 mg/mL). Slightly soluble in chloroform, methanol.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Oxybutynin is an anti-cholinergic compound that inhibits muscarinic acetylcholine receptor (mAChR) signaling. Oxybutynin is used clinically to treat overactive bladder; alteration of mAChR signaling decreases afferent activity of C-fibers and Aδ fibers. Oxybutynin also downregulates stretch-induced c-Jun signaling and growth of bladder smooth muscle cells. TEST!!!!!!



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
O9596	250 mg	\$48.40
O9596	1 g	\$121.10

**References** De Laet K, De Wachter S, Wyndaele JJ. Systemic oxybutynin decreases afferent activity of the pelvic nerve of the rat: new insights into the working mechanism of antimuscarinics. *Neurourol Urodyn.* 2006;25(2):156-61. PMID: 16372316.

Park JM, Bauer SB, Freeman MR, et al. Oxybutynin chloride inhibits proliferation and suppresses gene expression in bladder smooth muscle cells. *J Urol.* 1999 Sep;162(3 Pt 2):1110-4. PMID: 10458442.

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