



LKT Laboratories, Inc.

Oxybutynin Hydrochloride

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID O9596
CAS No. 1508-65-2
Chemical Name 4-diethylaminobut-2-ynyl 2-cyclohexyl-2-hydroxy-2-phenylacetate

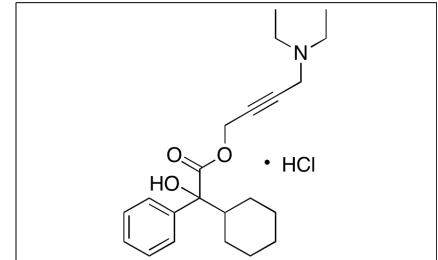
Synonym

Formula C₂₂H₃₁NO₃ · 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.



Bulk quantities available upon request

Product ID	Size
O9596	250 mg
O9596	1 g

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.