



LKT Laboratories, Inc.

Bupropion Hydrochloride

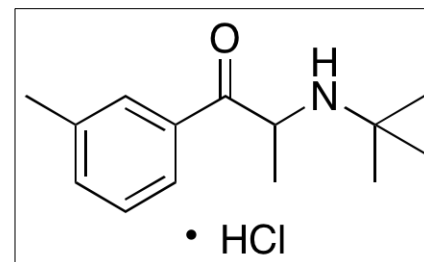
Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID B8363
CAS No. 31677-93-7
Chemical Name

Synonym Wellbutrin

Formula $C_{13}H_{18}ClNO \cdot HCl$
Formula Wt. 276.2
Melting Point 236.0-238.0
Purity $\geq 98\%$
Solubility 50 mg/ml MeOH



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
B8363	50 mg	\$126.30
B8363	250 mg	\$340.30
B8363	1 g	\$875.00

Store Temp Ambient

Ship Temp Ambient

Description Bupropion is an antidepressant that is also commonly used as a smoking cessation aid. This compound has additional therapeutic potential, as it promotes modest weight loss, shows efficacy as an ADHD treatment, and may also be an effective treatment for neuropathic pain. Bupropion is a DA and NE reuptake inhibitor, decreasing the firing rate of NE neurons due to activation of their inhibitory somatodendritic α_2 -adrenoreceptors by circulating NE; bupropion's effects on NE reuptake are somewhat stronger than its effects on DA reuptake. Additionally, bupropion is a noncompetitive antagonist at α_{3B2} , α_{3B4} , α_{4B2} nicotinic acetylcholine receptors (nAChRs), decreasing the probability of channel opening in closed nAChRs and accelerating desensitization in open nAChRs.

References Shah TH, Moradimehr A. Bupropion for the treatment of neuropathic pain. Am J Hosp Palliat Care. 2010 Aug;27(5):333-6. PMID: 20185402.

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