



# LKT Laboratories, Inc.

## Bambuterol Hydrochloride

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### Product Information

**Product ID** B0150

**CAS No.** 81732-46-9

**Chemical Name** Dimethylcarbamic acid 5-[2-[(1,1-dimethylethyl)- amino]-1-hydroxyethyl]-1,3-phenylene ester hydrochloride

**Synonym** KWD-2183, Bambec

**Formula**  $C_{18}H_{29}N_3O_5 \cdot HCl$

**Formula Wt.** 403.91

**Melting Point** 222-224°C

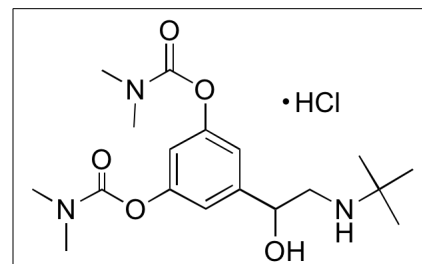
**Purity** ≥98%

**Solubility** Soluble in water  
(33mg/mL).

**Store Temp** 4°C

**Ship Temp** Ambient

**Description** Bambuterol is a long-acting  $\beta_2$ -adrenergic agonist and inhibitor of butylcholinesterase (BChE). Bambuterol is a prodrug of terbutaline and exhibits bronchodilatory and anti-asthma activities.



**Bulk quantities available upon request**

| Product ID | Size |
|------------|------|
|------------|------|

|       |        |
|-------|--------|
| B0150 | 100 mg |
|-------|--------|

|       |        |
|-------|--------|
| B0150 | 500 mg |
|-------|--------|

|       |     |
|-------|-----|
| B0150 | 1 g |
|-------|-----|

|       |     |
|-------|-----|
| B0150 | 5 g |
|-------|-----|

**References** Mohr F, Zimmermann M, Klein J. Mice heterozygous for AChE are more sensitive to AChE inhibitors but do not respond to BuChE inhibition. *Neuropharmacology*. 2013 Apr;67:37-45. PMID: 23147415.

Bosak A, Gazić I, Vinković V, et al. Stereoselective inhibition of human, mouse, and horse cholinesterases by bambuterol enantiomers. *Chem Biol Interact*. 2008 Sep 25;175(1-3):192-5. PMID: 18582854.

Waldeck B. Beta-adrenoceptor agonists and asthma--100 years of development. *Eur J Pharmacol*. 2002 Jun 7;445(1-2):1-12. PMID: 12065188.

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