



LKT Laboratories, Inc.

Procaterol Hydrochloride

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Product Information

Product ID P7056
CAS No. 62929-91-3
Chemical Name

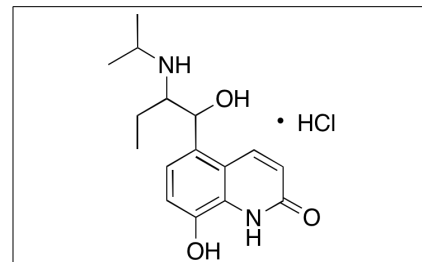
Synonym Meptin, Lontermin

Formula $C_{16}H_{22}N_2O_3 \cdot HCl$
Formula Wt. 326.82
Melting Point 213-215C
Purity $\geq 98\%$
Solubility

Store Temp Ambient

Ship Temp Ambient

Description Procaterol is an agonist at β_2 -adrenergic receptors that exhibits anti-inflammatory, anti-asthma, and bronchodilatory activities. Procaterol is used to treat asthma. In animal models, procaterol suppresses anaphylactic reactions. In bronchial epithelial cells, procaterol inhibits release of RANTES, GM-CSF, and IL-8, inhibiting eosinophil chemotaxis. Additionally, procaterol decreases expression of intracellular adhesion molecule 1 (ICAM-1) and vascular cellular adhesion molecule 1 (VCAM-1), inhibiting adhesion of eosinophils to fibroblasts. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P7056	5 mg	\$86.00
P7056	10 mg	\$155.10
P7056	25 mg	\$330.90
P7056	100 mg	\$1137.20

References Bao W, Chen Q, Lin Y, et al. Efficacy of procaterol combined with inhaled budesonide for treatment of cough-variant asthma. *Respirology*. 2013 Nov;18 Suppl 3:53-61. PMID: 24188204.

Yoshida N, Muraguchi M, Kamata M, et al. Procaterol potentiates the anti-inflammatory activity of budesonide on eosinophil adhesion to lung fibroblasts. *Int Arch Allergy Immunol*. 2009;150(4):352-8. PMID: 19571567.

Koyama S, Sato E, Masubuchi T, et al. Procaterol inhibits IL-1 β - and TNF- α -mediated epithelial cell eosinophil chemotactic activity. *Eur Respir J*. 1999 Oct;14(4):767-75. PMID: 10573218.

Ohuchi K, Hirasawa N, Takeda H, et al. Mechanism of antianaphylactic action of beta-agonists in allergic inflammation of air pouch type in rats. *Int Arch Allergy Appl Immunol*. 1987;82(1):26-32. PMID: 2879797.

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