



LKT Laboratories, Inc.

Tulobuterol Hydrochloride

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Product Information

Product ID T8145

CAS No. 56776-01-3

Chemical Name

Synonym

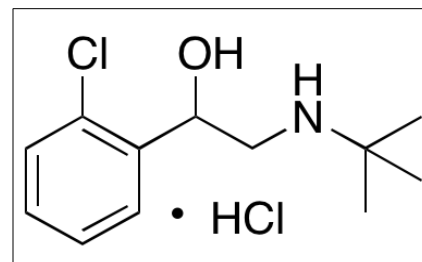
Formula $C_{12}H_{18}ClNO \cdot HCl$

Formula Wt. 264.19

Melting Point

Purity $\geq 98\%$

Solubility



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T8145	1 g	\$141.00
T8145	5 g	\$563.60

Store Temp Ambient

Ship Temp Ambient

Description Tulobuterol is a long-acting β_2 -adrenergic receptor agonist that is clinically used in some countries to treat chronic obstructive pulmonary disorder (COPD) and asthma. Tulobuterol exhibits bronchodilatory, anti-inflammatory, and antiviral activities. Tulobuterol treats pulmonary disorders by inducing relaxation of airway smooth muscle cells. In tracheal epithelial cells, tulobuterol also prevents activation of NF- κ B and decreases levels of ICAM-1, IL-1 β , IL-6, and IL-8, inhibiting rhinovirus replication.

References Yamaya M, Nishimura H, Nadine L, et al. Tulobuterol inhibits rhinovirus infection in primary cultures of human tracheal epithelial cells. *Physiol Rep*. 2013 Aug;1(3):e00041. PMID: 24303127.

Katsunuma T, Fujisawa T, Nagao M, et al. Effects of transdermal tulobuterol in pediatric asthma patients on long-term leukotriene receptor antagonist therapy: results of a randomized, open-label, multicenter clinical trial in Japanese children aged 4-12 years. *Allergol Int*. 2013 Mar;62(1):37-43. PMID: 23000726.

Terpstra GK, Raaijmakers JA. Beta-agonistic properties of tulobuterol, a new beta-sympathomimetic drug, and its effects on pulmonary beta-adrenoceptor characteristics. *Lung*. 1990;168 Suppl:179-85. PMID: 1974673.

Ruff F, Zander JF, Edoute Y, et al. Beta-2 adrenergic responses to tulobuterol in airway smooth muscle, vascular smooth muscle and adrenergic nerves. *J Pharmacol Exp Ther*. 1988 Jan;244(1):173-80. PMID: 2826765.

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