



Product Information

Product ID P6865

CAS No. 318-98-9

Chemical Name

Synonym

Formula $C_{16}H_{21}NO_2 \cdot HCl$

Formula Wt. 295.80

Melting Point

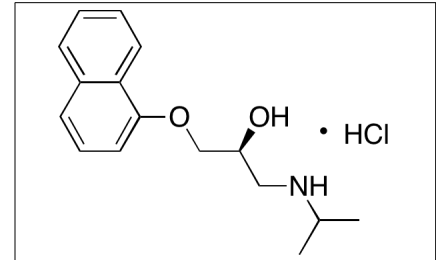
Purity $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Propranolol hydrochloride is a nonselective β_1/β_2 -adrenergic receptor antagonist that exhibits anti-arrhythmic and antihypertensive properties. Propranolol is most often used to decrease blood pressure and heart rate. Additionally, the β -adrenergic receptor blockade modulates catecholamine levels and increases protein synthesis, resulting in the ability of propranolol to attenuate wound healing-induced hypermetabolic responses during burn treatment. Propranolol also displays benefit as an anti-migraine prophylactic, inhibiting the cortical spreading during depression that may be responsible for migraines.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P6865	1 g	\$37.40
P6865	5 g	\$127.40
P6865	25 g	\$486.90
P6865	100 g	\$1123.70

References Ji Y, Li K, Xiao X, et al. Effects of propranolol on the proliferation and apoptosis of hemangioma-derived endothelial cells. *J Pediatr Surg.* 2012 Dec;47(12):2216-23. PMID: 23217879.

Izadpanah A, Izadpanah A, Kanevsky J, et al. Propranolol versus corticosteroids in the treatment of infantile hemangioma: a systematic review and meta-analysis. *Plast Reconstr Surg.* 2013 Mar;131(3):601-13. PMID: 23142941.

Romana-Souza B, Santos JS, Monte-Alto-Costa A. beta-1 and beta-2, but not alpha-1 and alpha-2, adrenoceptor blockade delays rat cutaneous wound healing. *Wound Repair Regen.* 2009 Mar-Apr;17(2):230-9. PMID: 19320892.

Casucci G, Villani V, Frediani F. Central mechanism of action of antimigraine prophylactic drugs. *Neurol Sci.* 2008 May;29 Suppl 1:S123-6. PMID: 18545912.

Pereira CT, Jeschke MG, Herndon DN. Beta-blockade in burns. *Novartis Found Symp.* 2007;280:238-48. PMID: 17380798.

Garvey HL, Ram N. Comparative antihypertensive effects and tissue distribution of beta adrenergic blocking drugs. *J Pharmacol Exp Ther.* 1975 Jul;194(1):220-33. PMID: 1151751.

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