



LKT Laboratories, Inc.

Cilostazol

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Product Information

Product ID C3246
CAS No. 73963-72-1
Chemical Name 6-[4-(1-Cyclohexyl-1H-tetrazol-5-yl)-butoxy]-3,4-dihydro-2(1H)-quinolinone

Synonym OPC-13013, Pletal

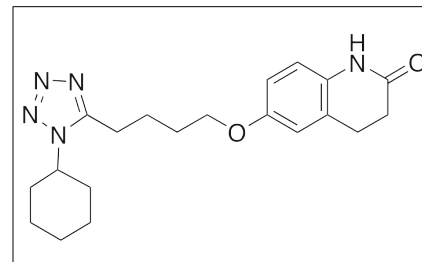
Formula C₂₀H₂₇N₅O₂
Formula Wt. 369.46
Melting Point 159.4-160.3 °C
Purity ≥98%

Solubility Soluble in acetic acid, chloroform, and DMSO. Practically insoluble in water and ether.

Store Temp Ambient

Ship Temp Ambient

Description Cilostazol is a quinolone inhibitor of phosphodiesterase 3B (PDE 3B) that exhibits vasodilatory, antiplatelet, anti-inflammatory, anti-diabetic, antidepressant, anxiolytic, and pro-angiogenic activities. Cilostazol is clinically used to treat intermittent claudication associated with peripheral vascular disease. Cilostazol decreases production of TNF-α in macrophages and inhibits TNF-α-induced inflammation in adipose tissue, improving glucose tolerance and insulin resistance in vivo. Additionally, cilostazol decreases immobility time in the forced swim test and burying activity in the marble burying test. In other animal models, this compound upregulates production of G-CSF and VEGF, inducing angiogenesis.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
C3246	10 mg	\$102.20
C3246	50 mg	\$277.60
C3246	100 mg	\$433.90
C3246	500 mg	\$1323.00

References Biscetti F, Pecorini G, Straface G, et al. Cilostazol promotes angiogenesis after peripheral ischemia through a VEGF-dependent mechanism. *Int J Cardiol.* 2013 Aug 10;167(3):910-6. PMID: 22473072.

Wada T, Onogi Y, Kimura Y, et al. Cilostazol ameliorates systemic insulin resistance in diabetic db/db mice by suppressing chronic inflammation in adipose tissue via modulation of both adipocyte and macrophage functions. *Eur J Pharmacol.* 2013 May 5;707(1-3):120-9. PMID: 23528355.

Patel DS, Anand IS, Bhatt PA. Evaluation of antidepressant and anxiolytic activity of phosphodiesterase 3 inhibitor - cilostazol. *Indian J Psychol Med.* 2012 Apr;34(2):124-8. PMID: 23162186.

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