



LKT Laboratories, Inc.

## Carvedilol

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)  
Web: [lktlabs.com](http://lktlabs.com)

### Product Information

**Product ID** C0365

**CAS No.** 72956-09-3

**Chemical Name** 1-(99H-Carbazol-4-yloxy)-3-[[2-(2-methoxyphenoxy)ethyl]amino]-2-propanol

**Synonym** Coreg, Dimitone, Eucardic, Kredex, Querto

**Formula** C<sub>24</sub>H<sub>26</sub>N<sub>2</sub>O<sub>4</sub>

**Formula Wt.** 406.47

**Melting Point** 114-115°C

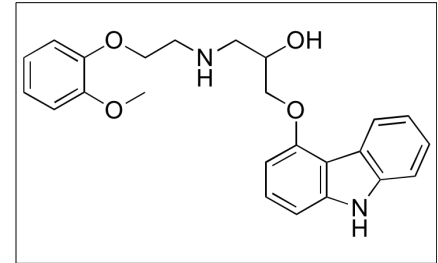
**Purity** ≥98%

**Solubility** Soluble in DMSO (>20 mg/mL), and methylene chloride. Sparingly soluble in ethanol(4 mg/mL), isopropanol and ethyl ether. Insoluble in water (0.02 mg/mL).

**Store Temp** 4°C

**Ship Temp** Ambient

**Description** Carvedilol is an α<sub>1</sub>- and β<sub>1/2</sub>-adrenergic receptor antagonist used to treat congestive heart failure; its inhibitory action at adrenergic receptors slows heart rhythm, decreasing force, pressure, and cardiac workload. Carvedilol also inhibits release of pro-inflammatory cytokines TNF-α and IL-6 and production of eicosanoids PGE<sub>2</sub> and LTB<sub>4</sub>, alleviating oxidative stress and indicating antioxidative and anti-arthritic activities. Additionally, this compound may exhibit anti-atherosclerotic and anti-diabetic activity through its inhibition of acid sphingomyelinase (FIASMA).



**Bulk quantities available upon request**

Product ID	Size
C0365	250 mg
C0365	1 g
C0365	5 g
C0365	10 g

**References** Arab HH, El-Sawalhi MM. Carvedilol alleviates adjuvant-induced arthritis and subcutaneous air pouch edema: modulation of oxidative stress and inflammatory mediators. *Toxicol Appl Pharmacol.* 2013 Apr 15;268(2):241-8. PMID: 23360886.

Kornhuber J, Muehlbacher M, Trapp S, et al. Identification of novel functional inhibitors of acid sphingomyelinase. *PLoS One.* 2011;6(8):e23852. PMID: 21909365.

Stafylas PC, Sarafidis PA. Carvedilol in hypertension treatment. *Vasc Health Risk Manag.* 2008;4(1):23-30. PMID: 18629377.

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