



## Product Information

**Product ID** M3344

**CAS No.** 78415-72-2

**Chemical Name** 5,8-Dihydro-5-methoxy-8-oxo-1,3-dioxolo[4,5-g]-quinoline-7-carboxylic acid

**Synonym** Corotrope, Milrila

**Formula** C<sub>12</sub>H<sub>9</sub>N<sub>3</sub>O

**Formula Wt.** 211.22

**Melting Point** 264° C

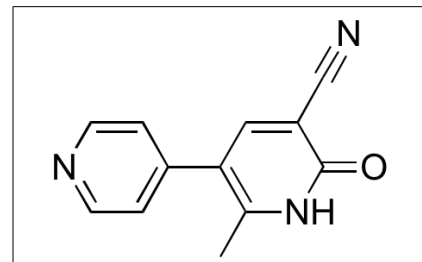
**Purity** ≥98%

**Solubility** Soluble in DMSO  
(>10mg/mL).

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Milrinone is an inhibitor of phosphodiesterase 3 (PDE3) that exhibits vasodilatory activity; it is clinically used to treat heart failure. Milrinone increases cAMP, PKA activation, and Ca<sup>2+</sup> influx, strengthening contractility. Milrinone also exhibits anticoagulant activity, inhibiting platelet aggregation by preventing Ca<sup>2+</sup> release from the dense tubular system. TEST!!!!!!



## Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
M3344	10 mg	\$98.50
M3344	50 mg	\$406.60
M3344	100 mg	\$700.60

**References** Hiramatsu N, Kageyama K. Anti-thrombotic effect of milrinone is caused by inhibition of calcium release from the dense tubular system in human platelets. *Acta Anaesthesiol Scand.* 2003 Jan;47(1):53-7. PMID: 12492797.

Yano M, Kohno M, Ohkusa T, et al. Effect of milrinone on left ventricular relaxation and Ca(2+) uptake function of cardiac sarcoplasmic reticulum. *Am J Physiol Heart Circ Physiol.* 2000 Oct;279(4):H1898-905. PMID: 11009478.

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