

## Milrinone

Cat. No. CEI-0417

Lot. No. (See product label)

### Introduction

**Description** Cell-permeable. A potent, cAMP-specific phosphodiesterase (PDEIII ) inhibitor ( $IC_{50} = 0.45$  and  $1.0 \mu M$  for PDEIIIA and PDEIIIB, respectively). It inhibits other PDE isoforms at much higher concentrations. Milrinone has positive inotropic (stimulates cardiac muscle contractions) and vasodilatory effects when administered in vivo.

**Synonyms** WIN 47, 203

### Product Information

**Appearance** Yellow solid

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

**Molecular Formula** C 12 H 9 N 3 O

**Chemical Name** 1,6-dihydro-2-methyl-6-oxo-[3,4'-bipyridine]-5-carbonitrile

**Molecular Weight** 396.31

**Purity** >98% by HPLC

**Targets** cAMP-specific phosphodiesterase (PDEIII )

**Solubility** DMSO (100 mM)

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** Gel pack