

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 PDEIIB, 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 C₁₂ H₉ N₃ 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