Creative Enzymes®

Milrinone

Cat. No. CEI-0417

Lot. No. (See product label)

Introduction

Description	Cell-permeable. A potent, cAMP-specific phosphodiesterase (PDEIII) inhibitor (IC50 = 0.45 and 1.0 μM 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