

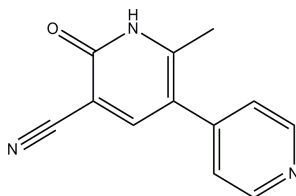
## Milrinone

**ALTERNATE NAME:** 1,6-dihydro-2-methyl-6-oxo-[3,4'-bipyridine]-5-carbonitrile; WIN 47, 203

**CATALOG #:** 2163-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>12</sub>H<sub>9</sub>N<sub>3</sub>O

**MOLECULAR WEIGHT:** 211.22

**CAS NUMBER:** 78415-72-2

**APPEARANCE:** Off-white solid

**SOLUBILITY:** DMSO (>10 mg/ml)

**PURITY:** ≥98%

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** Cell-permeable. A potent, cAMP-specific phosphodiesterase (PDEIII ) inhibitor (IC<sub>50</sub> = 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.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

### RELATED PRODUCTS:

IBMX (Cat. No. 1714-100)

(R,S)-Rolipram (Cat. No. 2010-5)

RO 20-1724 (Cat. No. 2042-50, 250)

Zaprinast (Cat. No. 1715-25)

**FOR RESEARCH USE ONLY! Not to be used in humans.**