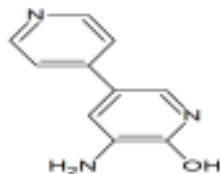


# Amrinone

**ALTERNATE NAME:** 5-amino-[3,4'-bipyridin]-6(1H)-one  
WIN 40,680

**CATALOG #:** B2465-50 50 mg  
B2465-250 250 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>10</sub>H<sub>9</sub>N<sub>3</sub>O

**MOLECULAR WEIGHT:** 187.2

**CAS NUMBER:** 60719-84-8

**APPEARANCE:** Beige to yellow solid

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20°C.

**SOLUBILITY:** 0.5 mg/ml DMSO

**DESCRIPTION:** Amrinone is a potent phosphodiesterase 3 (PDE3) inhibitor (IC<sub>50</sub> = 19.5 μM). It increases developed tension and contractile force in isolated cat papillary muscle. It also displays positive inotropic effects, increasing the rate and force of heart contraction in anesthetized and unanesthetized dogs.

**REFERENCES:** Alousi, A.A., et al. (1979). Circ. Res. 45(5), 666-677.

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

**RELATED PRODUCTS:**

Cilostamide (2560)  
Anagrelide (B2446)  
Cilostazol (2393)  
Milrinone (2163)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*