Milrinone

Product ID  M3344
CAS No.  78415-72-2

Chemical Name  5,8-Dihydro-5-methoxy-8-oxo-1,3-dioxolo[4,5-g]-quinoline-7-carboxylic acid

Synonym  Corotrope, Milrila

Formula  C_{12}H_{9}N_{3}O
Formula Wt.  211.22
Melting Point  264°C
Purity  ≥98%
Solubility  Soluble in DMSO (>10mg/mL).

Store Temp  Ambient
Ship Temp  Ambient

Description  Milrinone is an inhibitor of phosphodiesterase 3 (PDE3) that exhibits vasodilatory activity; it is clinically used to treat heart failure. Milrinone increases cAMP, PKA activation, and Ca^{2+} influx, strengthening contractility. Milrinone also exhibits anticoagulant activity, inhibiting platelet aggregation by preventing Ca^{2+} release from the dense tubular system.

References


Caution: This product is intended for laboratory and research use only. It is not for human or drug use.