

## Amrinone

## Chemical Properties

CAS No. :	60719-84-8
Formula:	C <sub>10</sub> H <sub>9</sub> N <sub>3</sub> O
Molecular Weight:	187.198
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>

## Biological Description

Description	Amrinone (Inocor) is a positive inotropic cardiotoxic (cardiotonic agent) with vasodilator properties, phosphodiesterase 3 inhibitory activity.
Targets(IC50)	PDE,TNF

## Solubility Information

Solubility	DMSO: 25.00 mg/mL (133.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 2.50 mg/mL (13.35 mM),Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1.00 mg/mL (5.34 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3419 mL	26.7094 mL	53.4188 mL
5 mM	1.0684 mL	5.3419 mL	10.6838 mL
10 mM	0.5342 mL	2.6709 mL	5.3419 mL
50 mM	0.1068 mL	0.5342 mL	1.0684 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kobayashi T, et al. J Hepatol. 2002 Jul; 37(1):31-8.

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