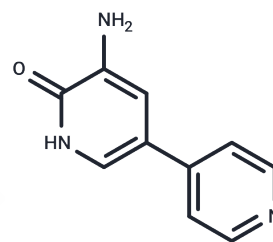


Amrinone

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 60719-84-8 |
| Formula: | C ₁₀ H ₉ N ₃ O |
| Molecular Weight: | 187.2 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



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 mg/mL (133.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 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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