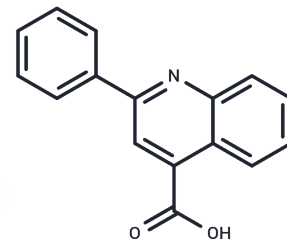


## Cinchophen

## Chemical Properties

CAS No. :	132-60-5
Formula:	C <sub>16</sub> H <sub>11</sub> NO <sub>2</sub>
Molecular Weight:	249.26
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	Cinchophen (Cinconal), an analgesic drug, is utilized in treating gout.
Targets(IC50)	Antibacterial, COX
In vivo	Cinchophen is a potent antimicrobial agent. When used in combination with prednisolone in animals, it is effective in the treatment of arthritis.

## Solubility Information

Solubility	Ethanol: 5 mg/mL (20.06 mM), Sonication is recommended. DMSO: 50 mg/mL (200.59 mM), Sonication is recommended. H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.02 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	4.0119 mL	20.0594 mL	40.1188 mL
5 mM	0.8024 mL	4.0119 mL	8.0238 mL
10 mM	0.4012 mL	2.0059 mL	4.0119 mL
50 mM	0.0802 mL	0.4012 mL	0.8024 mL

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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

Cutrín Prieto C, et al. Med Clin (Barc), 1991, 97(3), 104-106

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