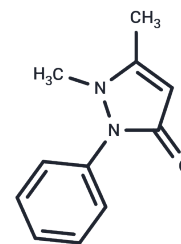


## Antipyrine

## Chemical Properties

CAS No. :	60-80-0
Formula:	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O
Molecular Weight:	188.23
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	Antipyrine (Phenazone), an antipyretic and analgesic, has been given as ear drops and by mouth. Antipyrine is frequently used to test the effects of other diseases or drugs on drug-metabolizing enzymes in the liver.
Targets(IC50)	Others,GABA Receptor,COX
In vitro	Antipyrine is an analgesic and antipyretic.

## Solubility Information

Solubility	Ethanol: 36 mg/mL (191.26 mM),Sonication is recommended. H <sub>2</sub> O: 35 mg/mL (185.94 mM),Sonication is recommended. DMSO: 110 mg/mL (584.39 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: 4 mg/mL (21.25 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

---

	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	5.3126 mL	26.5632 mL	53.1265 mL
5 mM	1.0625 mL	5.3126 mL	10.6253 mL
10 mM	0.5313 mL	2.6563 mL	5.3126 mL
50 mM	0.1063 mL	0.5313 mL	1.0625 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

- Kind PR, et al, J Clin Pathol, 1954, 7(4), 322-326.  
Soberman R, et al, J Biol Chem, 1949, 179(1), 31-42.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481