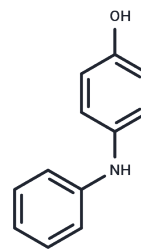


## 4-Hydroxydiphenylamine

## Chemical Properties

CAS No. :	122-37-2
Formula:	C <sub>12</sub> H <sub>11</sub> NO
Molecular Weight:	185.22
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	4-Hydroxydiphenylamine (p-Anilinophenol) is a benzene ring containing an amino group that is used in organic synthesis and biochemical experiments.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 80 mg/mL (431.92 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: 5 mg/mL (26.99 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	5.399 mL	26.9949 mL	53.9898 mL
5 mM	1.0798 mL	5.399 mL	10.798 mL
10 mM	0.5399 mL	2.6995 mL	5.399 mL
50 mM	0.108 mL	0.5399 mL	1.0798 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

Gardner A M, et al. Microbial degradation of /sup 14/C-diphenylamine in a laboratory model sewage sludge system]]]. Bull. Environ. Contam. Toxicol.:(United States), 1982, 28(1).

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