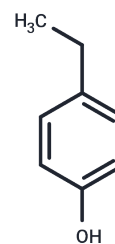


## 4-Ethylphenol

## Chemical Properties

CAS No. :	123-07-9
Formula:	C <sub>8</sub> H <sub>10</sub> O
Molecular Weight:	122.16
Storage:	Pure form: -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-Ethylphenol is the volatile phenol associated with the aroma in wine.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 55 mg/mL (450.23 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: 2 mg/mL (16.37 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	8.186 mL	40.9299 mL	81.8599 mL
5 mM	1.6372 mL	8.186 mL	16.372 mL
10 mM	0.8186 mL	4.093 mL	8.186 mL
50 mM	0.1637 mL	0.8186 mL	1.6372 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

Takahashi M , Hirata-Koizumi M , Nishimura N , et al. Susceptibility of newborn rats to 3-ethylphenol and 4-ethylphenol compared with that of young rats[J]. Congenital Anomalies, 2006, 46(1):26-33.

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