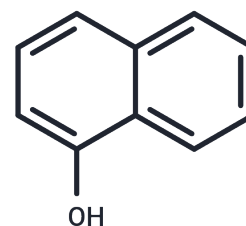


## 1-Naphthol

## Chemical Properties

CAS No. :	90-15-3
Formula:	C <sub>10</sub> H <sub>8</sub> O
Molecular Weight:	144.17
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	1-Naphthol (Furro ER) is an excited state proton transfer (ESPT) fluorescent molecular probe for sensing thermotropic microenvironmental changes of pluronic F127 in aqueous media.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 60 mg/mL (416.18 mM),Sonication is recommended. H <sub>2</sub> O: 1 mg/mL (6.94 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.9363 mL	34.6813 mL	69.3626 mL
5 mM	1.3873 mL	6.9363 mL	13.8725 mL
10 mM	0.6936 mL	3.4681 mL	6.9363 mL
50 mM	0.1387 mL	0.6936 mL	1.3873 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

Swain J, et al. 1-Naphthol as an ESPT fluorescent molecular probe for sensing thermotropic microenvironmental changes of pluronic F127 in aqueous media. Phys Chem Chem Phys. 2015 Jul 14;17(26):16752-9.

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