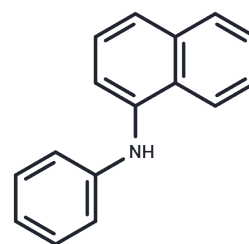


## N-Phenyl-naphthalen-1-amine

## Chemical Properties

CAS No. :	90-30-2
Formula:	C <sub>16</sub> H <sub>13</sub> N
Molecular Weight:	219.28
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	N-Phenyl-naphthalen-1-amine can be used as a hydrophobic fluorescent probe for detecting the critical micelle concentration of surfactants, the concentrations of organolithium and organomagnesium reagents, and phase transitions of membrane lipids in cells. It is a fluorescent probe for odour-binding proteins (OBP), with a dissociation constant of 1.67 $\mu$ M, an excitation wavelength of 337 nm, and an emission wavelength of 407 nm.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 80 mg/mL (364.83 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5604 mL	22.8019 mL	45.6038 mL
5 mM	0.9121 mL	4.5604 mL	9.1208 mL
10 mM	0.456 mL	2.2802 mL	4.5604 mL
50 mM	0.0912 mL	0.456 mL	0.9121 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

Ban L, et al., Biochemical characterization and bacterial expression of an odorant-binding protein from *Locusta migratoria*. *Cell Mol Life Sci.* 2003 Feb;60(2):390-400.

**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