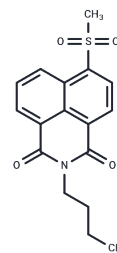


## MSBN

## Chemical Properties

CAS No. :	135980-66-4
Formula:	C17H17NO4S
Molecular Weight:	331.39
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	MSBN is a highly selective fluorescent probe for mercaptans that can selectively image mercaptans in living cells and specifically label protein mercaptans by switching on the signal to identify various reversible protein mercaptans modifications.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 55 mg/mL (165.97 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	3.0176 mL	15.088 mL	30.1759 mL
5 mM	0.6035 mL	3.0176 mL	6.0352 mL
10 mM	0.3018 mL	1.5088 mL	3.0176 mL
50 mM	0.0604 mL	0.3018 mL	0.6035 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

- Zhou P, et al. Naphthalimide Scaffold Provides Versatile Platform for Selective Thiol Sensing and Protein Labeling. ACS Chem Biol. 2016 Apr 15;11(4):1098-105.
- García-Cruz D, Cantú JM. Heterozygous expression in 3-M slender-boned nanism. Hum Genet. 1979 Nov;52(2):221-6.

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