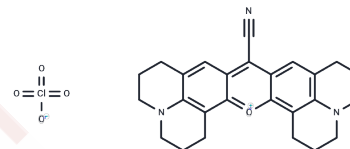


## Rhodamine 800

### Chemical Properties

CAS No. :	137993-41-0
Formula:	C <sub>26</sub> H <sub>26</sub> ClN <sub>3</sub> O <sub>5</sub>
Molecular Weight:	495.95
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year



### Biological Description

Description	Rhodamine 800 is a near-infrared fluorescent dye.
Targets(IC50)	Others
In vitro	The fluorescence intensity of Rhodamine 800 varies markedly with the solvent and decreases to less than one-fifth when the solvent is changed from 2-propanone to water without a significant change of the emission peak.

### Solubility Information

Solubility	DMSO: 83.33 mg/mL (168.02 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	2.0163 mL	10.0817 mL	20.1633 mL
5 mM	0.4033 mL	2.0163 mL	4.0327 mL
10 mM	0.2016 mL	1.0082 mL	2.0163 mL
50 mM	0.0403 mL	0.2016 mL	0.4033 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.

### Reference

- Sakanoue J, et al. Rhodamine 800 as a probe of energization of cells and tissues in the near-infrared region: a study with isolated rat liver mitochondria and hepatocytes. J Biochem. 1997 Jan;121(1):29-37.
- Jin T. et al. Near-infrared fluorescence detection of acetylcholine in aqueous solution using a complex of rhodamine 800 and p-sulfonatocalix[8]arene. Sensors (Basel). 2010;10(3):2438-49.

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