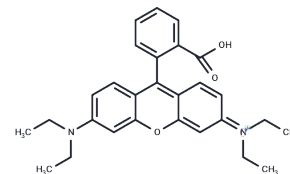


Rhodamine B

Chemical Properties

CAS No. :	81-88-9
Formula:	C ₂₈ H ₃₁ ClN ₂ O ₃
Molecular Weight:	479.01
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	Rhodamine B (Brilliant Pink B) is used as a tracer dye in water to determine the rate and direction of flow and transport.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 131 mg/mL (273.48 mM),Sonication is recommended. H ₂ O: 7.14 mg/mL (14.91 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: 4 mg/mL (8.35 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	2.0876 mL	10.4382 mL	20.8764 mL
5 mM	0.4175 mL	2.0876 mL	4.1753 mL
10 mM	0.2088 mL	1.0438 mL	2.0876 mL
50 mM	0.0418 mL	0.2088 mL	0.4175 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

Tan D , Bai B , Jiang D , et al. Rhodamine B induces long nucleoplasmic bridges and other nuclear anomalies in Allium cepa, root tip cells[J]. Environmental Science & Pollution Research, 2014, 21(5):3363-3370.

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