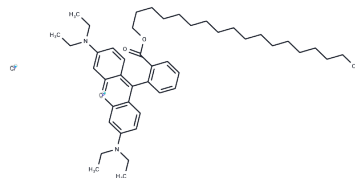


Octadecyl Rhodamine B chloride

Chemical Properties

CAS No. :	65603-19-2
Formula:	C ₄₆ H ₆₇ ClN ₂ O ₃
Molecular Weight:	731.49
Appearance:	no data available
Storage:	store at low temperature, keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Octadecyl Rhodamine B chloride, also known as RBOE, is a polarity-sensitive dye that is often used as a chromophore with other compounds to stain cell membranes and has applications in the assembly of organic molecules, in membrane structures and in the transfer of electron energy in the structural domains of proteins.
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Solubility Information

Solubility	DMSO: 90.0 mg/mL (123.0 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3671 mL	6.8354 mL	13.6707 mL
5 mM	0.2734 mL	1.3671 mL	2.7341 mL
10 mM	0.1367 mL	0.6835 mL	1.3671 mL
50 mM	0.0273 mL	0.1367 mL	0.2734 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

Buranda T, et al. Real-time partitioning of octadecyl rhodamine B into bead-supported lipid bilayer membranes revealing quantitative differences in saturable binding sites in DOPC and 1:1:1 DOPC/SM/cholesterol membranes.

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