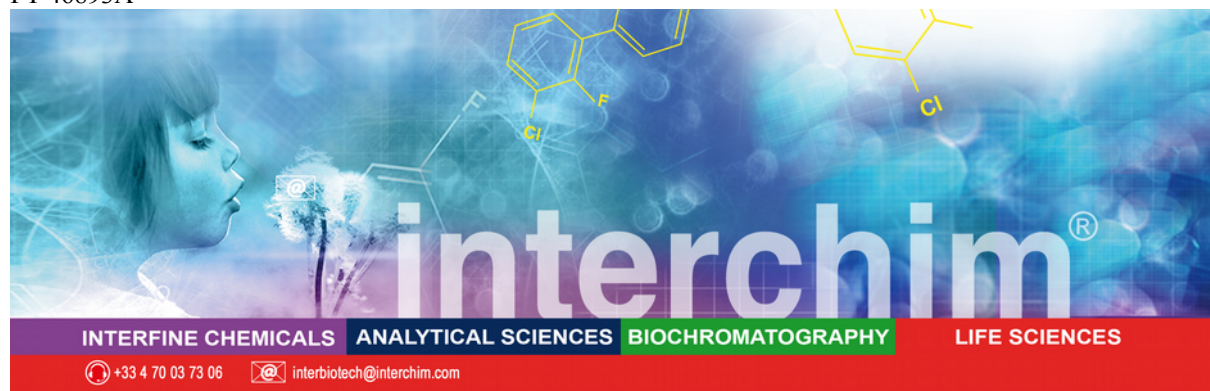


FT-46893A

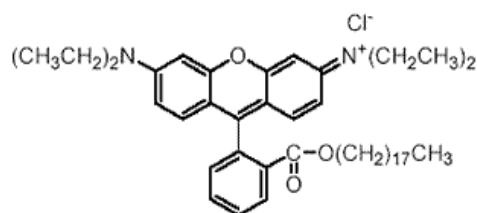


Octadecyl rhodamine B chloride (R18)

Useful dye for membrane fusion assays

Product Information

Name :	Octadecyl rhodamine B chloride (R18)
Catalog Number :	FP-46893A , 10 mg
Structure :	C ₄₆ H ₆₇ ClN ₂ O ₃
Molecular Weight :	MW= 731.5
Solubility:	In DMSO or EtOH
Absorption / Emission :	$\lambda_{exc} \backslash \lambda_{em}$ (MeOH) = 556 nm / 578 nm
EC (M⁻¹ cm⁻¹) :	100 000 (MeOH)



Storage: +4°C (-20°C from long term storage) Protect from light and moisture.

Introduction

The fluorescence of Octadecyl rhodamine B chloride (R18) is quenched at high dye concentration but is released at dilution. It is useful for membrane fusion assays.

References

- **Alper J. et al.**, Release Mechanism of Octadecyl Rhodamine B Chloride from Au Nanorods by Ultrafast Laser Pulses. *The Journal of Physical Chemistry C* 113.15 : 5967-5973 (2009) [Abstract](#)
- **Arnhold J, et al.**, « Quenching and dequenching of octadecyl Rhodamine B chloride fluorescence in Ca(2+)-induced fusion of phosphatidylserine vesicles: effects of poly(ethylene glycol). », *Biochim Biophys Acta.*, 11,1191(2):375-83(1994). [Abstract](#)
- **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, *J. Phys. Chem. B*, 114 (3), pp 1336–1349 (2010) [Abstract](#)
- **Koshkaryev A. et al.** Targeting of lysosomes by liposomes modified with octadecyl-rhodamine B, *J Drug Target.* 19(8):606-14 (2011)
- **Thekkedath R. et al.**, Lysosome-targeted octadecyl-rhodamine B-liposomes enhance lysosomal accumulation of glucocerebrosidase in Gaucher's cells in vitro, *Nanomedicine (Lond)* 8(7): 1055–1065 (2013) [Abstract](#)

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>
Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

Disclaimer : Materials from FluoProbes® are sold **for research use only**, and are not intended for food, drug, household, or cosmetic use.
FluoProbes® is not liable for any damage resulting from handling or contact with this product.

J08oa

