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Rhodamine-DHPE

Rhodamine-DHPE is a rhodamine-labeled glycerophosphoethanolamine lipid that has been used in membrane fusion assays.

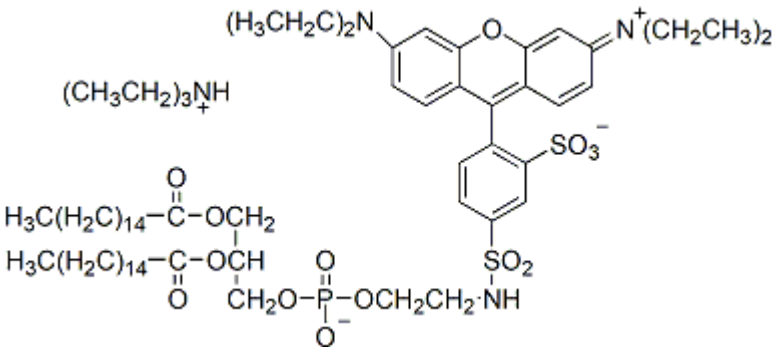
Product attributes

CAS number	126111-99-7
Probe cellular localization	Membrane/cell surface, Membrane/vesicular
Colors	Red
Excitation/Emission	560/581 nm
Conjugation	Rhodamine

Product Description

Rhodamine-DHPE (N-(Lissamine rhodamine B sulfonyl)-1,2-dihexadecanoyl-sn-glycero-3-phosphoethanolamine, triethylammonium salt) is a rhodamine-labeled glycerophosphoethanolamine lipid. DHPE conjugates of rhodamine dyes have been used as fluorescence energy acceptors in combination with NBDPE as the donor in membrane fusion assays using the principle of fluorescence energy transfer (FRET) (1-3). These probes have also been used for following membrane trafficking during endocytosis (4,5).

- $\lambda_{Ex}/\lambda_{Em}$ (MeOH) = 560/581 nm
- Dark red solid soluble in chloroform
- Store at -20°C and protect from light
- $C_{70}H_{117}N_4O_{14}PS_2$
- MW: 1333.80
- [126111-99-7]



References

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