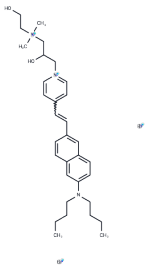
Data Sheet (Cat.No.T86208)

TargetMol

Di-4-ANEPPDHQ

Chemical Properties



CAS No. : 797785-10-5

Formula: C32H47Br2N3O2

Molecular Weight: 665.54

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	Di-4-ANEPPDHQ is a voltage-sensitive dye used for visualizing membrane microdomains in live Arabidopsis cells.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (120.2 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5025 mL	7.5127 mL	15.0254 mL
5 mM	0.3005 mL	1.5025 mL	3.0051 mL
10 mM	0.1503 mL	0.7513 mL	1.5025 mL
50 mM	0.0301 mL	0.1503 mL	0.3005 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

Xiaoyu Zhao, et al. Di-4-ANEPPDHQ, a fluorescent probe for the visualisation of membrane microdomains in living Arabidopsis thaliana cells. Plant Physiol Biochem. 2015 Feb;87:53-60.

Sengupta S, Karsalia R, Morrissey A, Bamezai AK. Cholesterol-dependent plasma membrane order (Lo) is critical for antigen-specific clonal expansion of CD4+ T cells. Sci Rep. 2021;11(1):13970. Published 2021 Jul 7. doi:10.1038/s41598-021-93403-5

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481