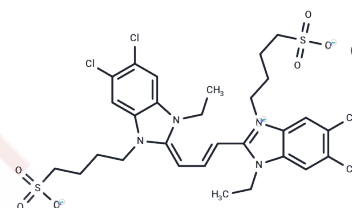


TDBC-4

Chemical Properties

CAS No. : 85012-34-6
 Formula: C₂₉H₃₃Cl₄KN₄O₆S₂
 Molecular Weight: 778.64
 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	TDBC-4 [4-chloro-2-(2,3,6,7-tetrahydro-1H,5H-benzo[ij]quinolizin-9-yl)phenylidene] propanedinitrile] is a cationic and lipophilic dye used to assess mitochondrial membrane potential. It exhibits a high affinity for the mitochondrial membrane, enabling visualization and measurement of changes in mitochondrial potential in living cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2843 mL	6.4215 mL	12.8429 mL
5 mM	0.2569 mL	1.2843 mL	2.5686 mL
10 mM	0.1284 mL	0.6421 mL	1.2843 mL
50 mM	0.0257 mL	0.1284 mL	0.2569 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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