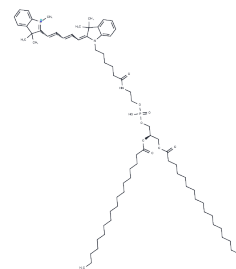


Cy5-DSPE

Chemical Properties

CAS No. :	2260669-68-7
Formula:	C73H119N3O9P
Molecular Weight:	1213.71
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Cy5-DSPE is a fluorescent phospholipid that combines the cell membrane targeting properties of DSPE with the strong fluorescence of Cyanine 5 (Cy5), commonly used in bioimaging and drug delivery research.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble) Chloroform: 50 mg/mL (41.2 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8239 mL	4.1196 mL	8.2392 mL
5 mM	0.1648 mL	0.8239 mL	1.6478 mL
10 mM	0.0824 mL	0.412 mL	0.8239 mL
50 mM	0.0165 mL	0.0824 mL	0.1648 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

Wang G, et al. Liposomal Extravasation and Accumulation in Tumors as Studied by Fluorescence Microscopy and Imaging Depend on the Fluorescent Label. ACS Nano. 2021 Jul 27;15(7):11880-11890.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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