

BODIPY FL-C16

Chemical Properties

CAS No. : 158757-82-5

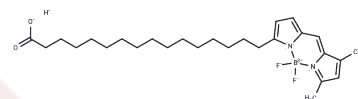
Formula: C₂₇H₄₁BF₂N₂O₂

Molecular Weight: 474.43

Keep away from direct sunlight

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	BODIPY FL-C16 is a fluorescent probe combining the BODIPY FL dye with a hexadecyl fatty acid chain, suitable for studying cellular uptake and lipid metabolism. It serves as a synthetic precursor for various fluorescent phospholipids. In human intestinal Caco-2 cells, BODIPY FL-C16 extensively colocalises with mitochondria, the endoplasmic reticulum/Golgi apparatus, and L-FABP. BODIPY FL is a green fluorescent dye with excitation/emission wavelengths of 505/515 nm.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 40 mg/mL (84.31 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1078 mL	10.539 mL	21.0779 mL
5 mM	0.4216 mL	2.1078 mL	4.2156 mL
10 mM	0.2108 mL	1.0539 mL	2.1078 mL
50 mM	0.0422 mL	0.2108 mL	0.4216 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

Barreca V, et al. Metabolic labelling of a subpopulation of small extracellular vesicles using a fluorescent palmitic acid analogue. J Extracell Vesicles. 2023 Dec;12(12):e12392.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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