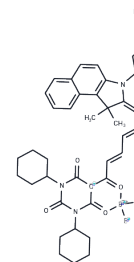


SMCy5.5

Chemical Properties

CAS No. :	2417507-09-4
Formula:	C41H46BF2N3O4
Molecular Weight:	693.63
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	SMCy5.5, an SMCy dye for lipid droplet labeling, exhibits a very high two-photon absorption cross-section. Unlike the well-known Nile Red, SMCy has narrow absorption and emission bands in visible light, facilitating multicolor imaging. SMCy is compatible with fixation, yielding high-quality 3D images of lipid droplets in cells and tissues. The high brightness of SMCy5.5 enables efficient tracking and imaging of lipid droplet exchange between adipocytes [1].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4417 mL	7.2085 mL	14.4169 mL
5 mM	0.2883 mL	1.4417 mL	2.8834 mL
10 mM	0.1442 mL	0.7208 mL	1.4417 mL
50 mM	0.0288 mL	0.1442 mL	0.2883 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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