

NBD Palmitic acid

Chemical Properties

CAS No. :	2260669-56-3
Formula:	C22H34N4O5
Molecular Weight:	434.53
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	NBD Palmitic acid is a fluorophore-labeled fatty acid probe, commonly used to study lipid uptake, transport, and metabolic processes. NBD Palmitic acid retains the biological properties of long-chain fatty acids, allowing visualization and analysis of the intracellular distribution and dynamic changes of lipids via fluorescence signals.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3013 mL	11.5067 mL	23.0134 mL
5 mM	0.4603 mL	2.3013 mL	4.6027 mL
10 mM	0.2301 mL	1.1507 mL	2.3013 mL
50 mM	0.046 mL	0.2301 mL	0.4603 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

Hoa Tt Ha, et al. Lack of SPNS1 results in accumulation of lysolipids and lysosomal storage disease in mouse models. JCI Insight. 2024 Mar 7;9(8):e175462.

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