Data Sheet (Cat.No.T75371)



C12 NBD Sphingomyelin

Chemical Properties

CAS No.: 254117-01-6

Formula: C41H73N6O9P

Molecular Weight: 825.03

Appearance: no data available

Storage: keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

| Description | C12 NBD sphingomyelin, a fluorescently tagged derivative of sphingomyelin with C12 |
|-------------|---|
| | nitrobenzoxadiazole (C12 NBD), serves as a substrate for sphingomyelinase, facilitating |
| | the study of sphingomyelin metabolism and transport (Ex=470 nm, Em=525 nm) [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.2121 mL | 6.0604 mL | 12.1208 mL |
| 5 mM | 0.2424 mL | 1.2121 mL | 2.4242 mL |
| 10 mM | 0.1212 mL | 0.606 mL | 1.2121 mL |
| 50 mM | 0.0242 mL | 0.1212 mL | 0.2424 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.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481

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