

## C12 NBD Globotriaosylceramide

## Chemical Properties

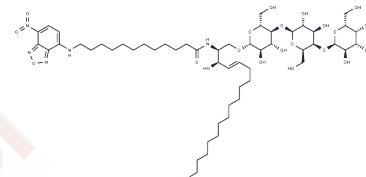
CAS No. : 2692623-26-8

Formula: C54H91N5O21

Molecular Weight: 1146.32

Appearance:

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



## Biological Description

|             |  |
|-------------|--|
| Description | C12 NBD Galactosylceramide is a biologically active derivative of galactosylceramide tagged with a fluorescent C12 nitrobenzoxadiazole (C12 NBD) group, used for detecting ceramide trihexoside [1].                 |
| In vitro    | C12 NBD globotriaosylceramide builds up in human umbilical vascular endothelial cells (HUVECs) when treated with an $\alpha$ -galactosidase A inhibitor, and the accumulation is dependent on the concentration [2]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.8724 mL | 4.3618 mL | 8.7236 mL |
| 5 mM  | 0.1745 mL | 0.8724 mL | 1.7447 mL |
| 10 mM | 0.0872 mL | 0.4362 mL | 0.8724 mL |
| 50 mM | 0.0174 mL | 0.0872 mL | 0.1745 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481