

C12 NBD Globotriaosylceramide

Chemical Properties

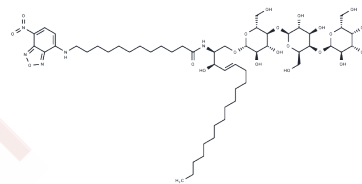
CAS No. : 2692623-26-8

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 α -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

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