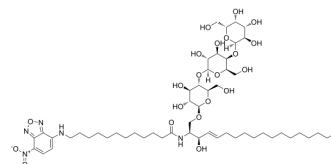


C12 NBD Globotriaosylceramide

Cat. No.:	HY-D1579
CAS No.:	2692623-26-8
Molecular Formula:	C ₅₄ H ₉₁ N ₅ O ₂₁
Molecular Weight:	1146.32
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	C12 NBD galactosylceramide is a biologically active derivative of galactosylceramide that is tagged with a fluorescent C12 nitrobenzoxadiazole (C12 NBD) group. C12 NBD galactosylceramide has been used to detect ceramide trihexoside ^[1] .
In Vitro	C12 NBD globotriaosylceramide accumulates in human umbilical vascular endothelial cells (HUVECs) treated with the α -galactosidase A inhibitor in a concentration-dependent manner ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Kassiani Kytidou, et al. *Nicotiana benthamiana* α -galactosidase A1.1 can functionally complement human α -galactosidase A deficiency associated with Fabry disease. *J Biol Chem.* 2018 Jun 29;293(26):10042-10058.
- [2]. Janet Hsu, et al. Enhanced endothelial delivery and biochemical effects of α -galactosidase by ICAM-1-targeted nanocarriers for Fabry disease. *J Control Release.* 2011 Feb 10;149(3):323-31.

Caution: Product has not been fully validated for medical applications. For research use only.

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