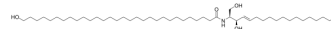


C30(ω -hydroxy) Ceramide (d18:1/30:0)

Cat. No.:	HY-117081
CAS No.:	457100-08-2
Molecular Formula:	C ₄₈ H ₉₅ NO ₄
Molecular Weight:	750.27
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

C30(ω -hydroxy) Ceramide (d18:1/30:0), a sphingolipid, is an epidermis-specifically vital component of the water barrier in mammalian skin. C30(ω -hydroxy) Ceramide (d18:1/30:0) is expressed in epidermal keratinocytes and male germ cells during their differentiation and maturation. C30(ω -hydroxy) Ceramide (d18:1/30:0) deficiency in the epiderm of Elov14 deletion or mutation mice^{[1][2]}.

REFERENCES

- [1]. Jennemann R, et al. Integrity and barrier function of the epidermis critically depend on glucosylceramide synthesis. *J Biol Chem*. 2007 Feb 2;282(5):3083-94.
- [2]. Sandhoff R. Very long chain sphingolipids: tissue expression, function and synthesis. *FEBS Lett*. 2010 May 3;584(9):1907-13.

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

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