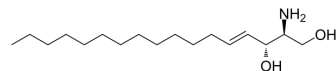


Sphingosine (d17:1)

Cat. No.:	HY-141579
CAS No.:	6918-48-5
Molecular Formula:	C ₁₇ H ₃₅ NO ₂
Molecular Weight:	285.47
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Sphingosine (d17:1) is a 17-carbon sphingosine found in human skin. Sphingosine (d17:1) can be phosphorylated by sphingosine kinases to produce C-17 sphingosine-1-phosphate. Sphingosine C-17 was used as an internal standard for spectral analysis of sphingoid compounds^{[1][2][3]}.

REFERENCES

- [1]. Stewart ME, et al. Free sphingosines of human skin include 6-hydroxysphingosine and unusually long-chain dihydrosphingosines. *J Invest Dermatol.* 1995 Oct;105(4):613-8.
- [2]. Hong JH, et al. K6PC-5, a direct activator of sphingosine kinase 1, promotes epidermal differentiation through intracellular Ca²⁺ signaling. *J Invest Dermatol.* 2008 Sep;128(9):2166-78.
- [3]. Choi CH, et al. Sphingosine 1-phosphate and sphingosine kinase activity during chicken embryonic development. *Arch Pharm Res.* 2007 Apr;30(4):502-6.

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

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