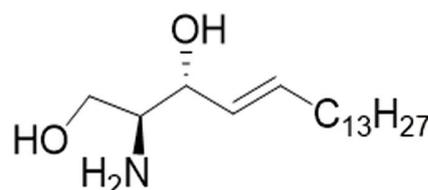


D-erythro-Sphingosine

Background introduction

Sphingosine is a characteristic structural unit of many sphingolipids such as ceramides, gangliosides, globosides, sulfatides, sphingomyelin, and others.^{1,2} It is most abundant in nervous tissue and cell membranes. Sphingosine with an 18-carbon chain and a double bond at carbon 4 is the most abundant sphingosine in animal tissues.

Lysosphingolipids inhibit protein kinase C activity resulting in the pathogenesis of sphingolipidoses such as Krabbe's disease and Gaucher's disease.³ Sphingosine can be phosphorylated via two kinases to form sphingosine-1-phosphate, which has important signaling functions. While sphingosines and ceramides can induce apoptosis,⁴ sphingosine -1-phosphate can promote cell survival or proliferation. Sphingosine has been shown to cause an increase in the cytoplasmic calcium level of cells.



Product superiority

- GMP grade
- Kilogram production capacity
- Product purity above 98%, chiral purity above 99%

Order information

Catalog No.	Product Name	Purity	Pckage
GSL-1006	D-erythro-Sphingosine	≥98%	1 g, 100 g, 1 kg

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