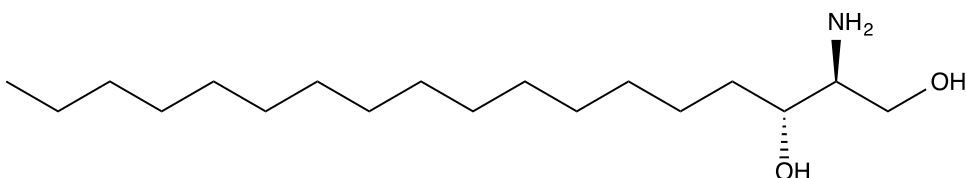


Catalog # 10-4492
D-erythro-Dihydrosphingosine

Sphinganine

CAS# 764-22-7

Lot # FBS1058



Biosynthetic precursor of sphingosine. Inhibitor of protein kinase C¹ and phospholipases A₂ and D².

- 1) Merrill *et al.* (1989), *Structural requirements for long-chain (sphingoid) base inhibition of protein kinase C in vitro and for cellular effects of these compounds*; *Biochemistry*, **28** 3138
- 2) Franson *et al.* (1992), *Sphingolipid metabolism and signal transduction: inhibition of in vitro phospholipase activity by sphingosine*, *Biochim.Biophys.Acta* **1136** 169

PHYSICAL DATA

Molecular Weight:	301.51
Molecular Formula:	C ₁₈ H ₃₉ NO ₂
Purity:	98%: TLC [15% Methanol/methylene chloride + 0.5% NH ₄ OH; R _f = 0.30] NMR: (Conforms)
Solubility:	DMSO (25 mg/ml with warming); Ethanol (25 mg/mL with warming)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO and ethanol may be stored at -20°C for 1 month.

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