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DATASHEET

L-threo-Sphingosine C-18

Product overview

Name	L-threo-Sphingosine C-18
Cat No	HB0388
Alternative names	L-threo-C18-sphingosine
Biological action	Inhibitor
Purity	>98%
Description	PKC inhibitor

Biological Data

Biological description	Protein kinase C (PKC) inhibitor. D-erythro-sphingosine analog.
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Solubility & Handling

Solubility overview	Soluble in ethanol
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	(2S,3S,4E)-2-amino-octadec-4-ene-1,3-diol
Molecular Weight	299.5
Chemical structure	
Molecular Formula	C ₁₈ H ₃₇ NO ₂
CAS Number	25695-95-8

References

Sphingolipid biosynthesis in cultured neurons. Down-regulation of serine palmitoyltransferase by sphingoid bases.

Mandon EC *et al* (1991) Eur J Biochem 198(3)

PubMedID [1646717](#)

Structural requirements for long-chain (sphingoid) base inhibition of protein kinase C in vitro and for the cellular effects of these compounds.

Merrill AH Jr *et al* (1989) Biochemistry 28(8)

PubMedID [2742830](#)
