**Product overview**

**Name**  
D-erythro-Sphingosine

**Cat No**  
HB0239

**Short description**  
PKC inhibitor

**Biological description**  
Protein kinase C (PKC) inhibitor. Also TRPM3 channel activator (EC_{50} = 12 µM). Exhibits little or no activity for other TRP channels. Also inhibits platelet aggregation.

**Biological action**  
Inhibitor

**Purity**  
>98%

**Properties**

**Chemical name**  
Sphingosine, C18 chain

**Molecular Weight**  
299.5

**Molecular Formula**  
C_{18}H_{37}NO_{2}

**CAS Number**  
123-78-4

**PubChem identifier**  
5280335

**SMILES**  
CCCCCCCCCCCCCC/C=C/[C@@H](O)[C@@H](N)CO

**Storing and Using Your Product**

**Solubility overview**  
Soluble in ethanol (25mg/ml, gentle warming) or DMSO (25mg/ml, methanol)

**Important**  
This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

**References for D-erythro-Sphingosine**

*A concise synthesis of a promising protein kinase C inhibitor: D-erythro-sphingosine.*


**PubMedID:**  
17328238

*Activation of the melastatin-related cation channel TRPM3 by D-erythro-sphingosine [corrected].*


**PubMedID:**  
15550678
Use of D-erythro-sphingosine as a pharmacological inhibitor of protein kinase C in human platelets.


PubMedID: 1898331