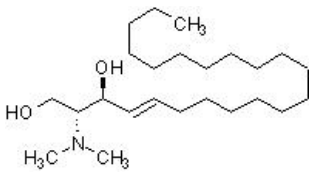
abcam

Product datasheet

N,N-Dimethyl-D-erythro-sphingosine (PKC inhibitor), Sphingosine kinase and PKC inhibitor ab141237

Overview

Product name	N,N-Dimethyl-D-erythro-sphingosine (PKC inhibitor), Sphingosine kinase and PKC inhibitor
Description	Sphingosine kinase and PKC inhibitor
Biological description	Inhibitor of sphingosine kinase (IC_{50}=5 µM) and PKC (IC_{50}=12 µM). Blocks conversion of sphingosine to sphingosine-1-phosphate. Induces apoptosis and EGFR autophosphorylation. Produced *via* ceramide catabolism. Active *in vitro*.
Purity	> 98%
CAS Number	119567-63-4
Chemical structure	

Properties

Chemical name	(*E*,2*S*,3*R*)-2-(Dimethylamino)octadec-4-ene-1,3-diol
Molecular weight	327.55
Molecular formula	$C_{20}H_{41}NO_2$
PubChem identifier	5282309
Storage instructions	Store at -20°C (desiccating conditions).
Solubility overview	Supplied in isopropanol (5 mg/ml)
Handling	Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	CCCCCCCCCCCCC/C=C/[C@H]([C@H](CO)N(C)C)O
Source	Synthetic

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