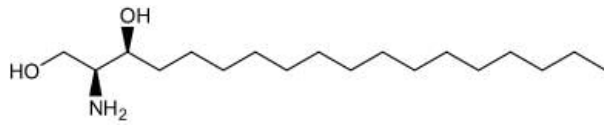


Product datasheet

L-threo-Dihydrosphingosine (Safingol), lyso-sphingolipid PKC inhibitor ab144070

1 References

Overview

Product name	L-threo-Dihydrosphingosine (Safingol), lyso-sphingolipid PKC inhibitor
Description	Cell-permeable, reversible lyso-sphingolipid protein kinase C (PKC) inhibitor
Biological description	Cell-permeable, reversible lyso-sphingolipid protein kinase C (PKC) inhibitor (IC ₅₀ = 40 μM). Anticancer agent. Potentiates effect of Doxorubicin (DOX) (ab120629) in tumor-bearing animals and cytotoxicity of Mitomycin C (ab120797) in cancer cells. Active <i>in vivo</i> and <i>in vitro</i> .
Purity	> 98%
CAS Number	15639-50-6
Chemical structure	

Properties

Chemical name	(2 <i>R</i> ,3 <i>R</i>)-2-amino-octadecane-1,3-diol
Molecular weight	301.51
Molecular formula	C ₁₈ H ₃₉ NO ₂
PubChem identifier	3058739
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in ethanol and in DMSO to 5 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	CCCCCCCCCCCC[C@@H]([C@H](CO)N)O

Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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