C6 Ceramide

Cell-permeable ceramide analog

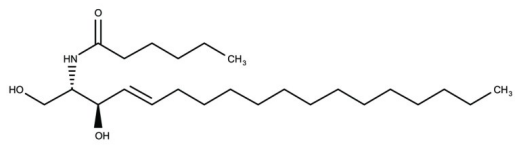
A biologically active, cell-permeable, but nonphysiologic ceramide analog. It activates protein phosphatase 2A and MAP kinase (MAPK/ERK), suppresses insulin-induced tyrosine phosphorylation and inhibits glycoprotein traffic by the secretory pathway. It inhibits diacylglycerol accumulation and phospholipase D activation in fibroblasts. It induces an arrest at the G_0/G_1 transition of the cell cycle (10μM) and causes apoptosis (15μM or greater) in Molt-4 leukemia cells.

Citations: 9 View Online »

Ordering Information Order Online »

BML-SL110-0005	5mg
BML-SL110-0025	25mg

Manuals, SDS & CofA View Online »


O
HN
CH3
HO
CH3
OH

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	N-Hexanoyl-D-erythro-sphingosine
Appearance	White waxy solid.
CAS	124753-97-5
Couple Target	Erk, MAPK, Serine/threonine-protein phosphatase
Couple Type	Activator
Formula	$C_{24}H_{47}NO_3$
MW	397.7
Purity	≥98% (TLC)
Solubility	Soluble in 100% ethanol (>25mg/ml) and DMSO (>50mg/ml).

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