

PRODUCT: Akt Inhibitor

CATALOG #:	1701-1
AMOUNT:	1 mg
LOT #:	_____
CHEMICAL NAME:	1L-6-Hydroxymethyl- <i>chiro</i> -inositol2-[(R)-2-O-methyl-3-O-octadecylcarbonate]
MOLECULAR FORMULA:	C ₃₀ H ₅₈ O ₁₀
MOLECULAR WEIGHT:	578.8
PURITY:	≥98%
APPEARANCE:	White to off-white powder
SOLUBILITY:	Soluble in DMSO
STORAGE CONDITIONS:	-20°C.
DESCRIPTION:	Potent inhibitor of Akt (PKB) (IC ₅₀ = 2 μM). Weak inhibitor of phosphatidylinositol 3-kinase (PI3-K) (IC ₅₀ = 83 μM). Has been shown to inhibit the growth of the following cancer cell lines: HeLa (IC ₅₀ = 2.5 μM), HT-29 (IC ₅₀ = 10 μM), MCF-7 (IC ₅₀ = 1.2 μM), and PC-3 (IC ₅₀ = 2.0 μM).
REFERENCE:	Y. Hu, <i>et al.</i> (2000) <i>J. Med. Chem.</i> 43:3045.
USAGE:	For research use only. Not to be used in human.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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