

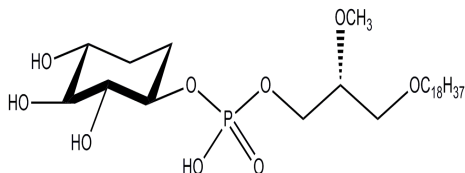
SH-6

ALTERNATE NAMES: D-2,3-Dideoxy-*myo*-inositol 1-[(R)-2-methoxy-3-(octadecyloxy)propyl hydrogen phosphate

CATALOG #: 1819-500

AMOUNT: 500 µg

STRUCTURE:



MOLECULAR FORMULA: C₂₈H₅₇O₉P

MOLECULAR WEIGHT: 568.72

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (10 mg/ml)

PURITY: ≥98% by TLC

STORAGE: Store at -20 °C

DESCRIPTION: A cell-permeable inhibitor of Akt activation without affecting the activation of the upstream kinase PDK1 or other kinases downstream of Ras such as MAPK. Induces apoptosis and kills a variety of cancer cell lines containing high levels of active Akt.

REFERENCE: Van Meter, T.E., *et al.* (2006). *Cancer* **107**, 2446-2454; Kozikowski, A.P., *et al.* (2003). *J. Am. Chem. Soc.* **125**, 1144-1145.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- Akt/PKB Antibody (Cat. No. 3247-100)
- Phospho-Akt Antibody (Cat. No. 3257-100)
- Akt2 Antibody (Cat. No. 3155-100)
- Akt3 Antibody (Cat. No. 3159-100)
- Akt3 Antibody (Cat. No. 3162-100)
- Akt3 Antibody (Cat. No. 3163-100)
- Akt3 Antibody (Cat. No. 3164-100)
- Active Akt1 (Cat. No. 7701-5)
- Active Akt2 (Cat. No. 7702-5)
- Active Akt3 (Cat. No. 7703-5)
- Akt-activated Cell Lysate (Cat. No. 7036-1)
- Akt Negative Control Cell Lysate (Cat. No. 7035-1)
- Akt Inhibitor (Cat. No. 1701-1)
- Akt Inhibitor, Isozyme-Selective (Cat. No. 1708-1)
- DiscoveryPak™ PI 3 Kinase Inhibitor Set (Cat. No. K856-5)
- KinaseStar™ Akt Activity Assay Kit (Cat. No. K435-40)
- Perifosine(KRX-0401) (Cat. No. 1592-5, 25)
- SH-5 (Cat. No. 1818-500)
- Triciribine (Cat. No. 1707-1)

FOR RESEARCH USE ONLY! Not to be used on humans.