

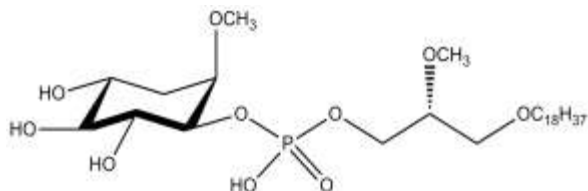
## SH-5

**ALTERNATE NAME:** D-3-Deoxy-2-O-methyl-*myo*-inositol 1-[(R)-2-methoxy-3-(octadecyloxy)propyl hydrogen phosphate

**CATALOG #:** 1818-500

**AMOUNT:** 500 µg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>29</sub>H<sub>59</sub>O<sub>10</sub>P

**MOLECULAR WEIGHT:** 598.75

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO (10 mg/ml)

**PURITY:** ≥98%

**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:** Sethi, G., *et al.* (2008). *Biochem. Pharmacol.* **76**, 1404-1416; 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.

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

### 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-6 (Cat. No. 1819-500)
- Triciribine (Cat. No. 1707-1)