

Wortmannin, *Penicillium funiculosum*

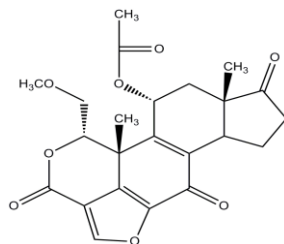
ALTERNATE NAME: SL-2052

CATALOG #: 1670-1

AMOUNT: 1 mg

LOT #: _____

STRUCTURE:



MOLECULAR FORMULA: $C_{23}H_{24}O_8$

MOLECULAR WEIGHT: 428.44

CAS 19545-26-7

APPEARANCE: Off-white solid

Solubility: DMSO (50 mM) or Ethanol (5 mM)

PURITY: $\geq 98\%$ by HPLC

STORAGE: Store at -20°C . Protect from air and light

DESCRIPTION: Potent, selective, cell-permeable and irreversible inhibitor of phosphatidylinositol 3-kinase (PI 3-kinase) ($IC_{50} = 2\text{-}4\text{ nM}$). Also potently inhibits polo-like kinase 1 (PLK1) ($IC_{50} = 5.8\text{ nM}$).

REFERENCES: 1. Wyamnn, M.P., *et al.* (1996). *Mol. Cell. Biol.* **16**, 1722.
2. Arcaro, A., and Wyamann, M.P. (1993). *Biochem. J.* **296**, 297.

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 in humans.

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

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- 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
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