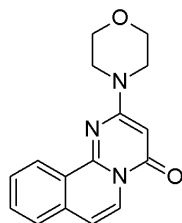


## Compound 401

**CATALOG #:** 1657-5  
**AMOUNT:** 5 mg  
**ALTERNATE NAME:** 2-(4-Morpholinyl)-4H-pyrimido[2,1-a]isoquinolin-4-one

**LOT #:** \_\_\_\_\_

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>16</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>  
**MOLECULAR WEIGHT:** 281.31  
**CAS NUMBER:** 168425-64-7  
**APPEARANCE:** White to off-white solid  
**SOLUBILITY:** DMSO (10 mM) or Ethanol (5 mM)  
**PURITY:** ≥97% by HPLC  
**STORAGE:** Keep cool and dry. Store at +4°C

**DESCRIPTION:** Cell-permeable. A reversible and selective inhibitor of DNA-dependent protein kinase (DNA-PK) (IC<sub>50</sub> = 0.28 μM) that also targets mTOR (IC<sub>50</sub> = 5.3 μM), but not PI 3-K *in vitro*. Induces apoptosis *in vitro*.

**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
- Cell Proliferation & Senescence
  - Quick Cell Proliferation Assay Kit
  - Senescence Detection Kit
  - High Throughput Apoptosis/Cell Viability Assay Kits
  - LDH-Cytotoxicity Assay Kit
  - Bioluminescence Cytotoxicity Assay Kit
  - Live/Dead Cell Staining Kit
- Cell Damage & Repair
  - HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
  - HAT Colorimetric Assay Kit & Reagents
  - DNA Damage Quantification Kit
  - Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits
- Signal Transduction
  - cAMP & cGMP Assay Kits
  - Akt & JNK Activity Assay Kits
  - β -Secretase Activity Assay Kit
- Adipocyte & Lipid Transfer
  - Recombinant Adiponectin, Survivin, & Leptin
  - CETP Activity Assay & Drug Discovery Kits
  - PLTP Activity Assay & Drug Discovery Kits
  - Total Cholesterol Quantification Kit
- Molecular Biology & Reporter Assays
  - siRNA Vectors
  - Cloning Insert Quick Screening Kit
  - Mitochondrial & Genomic DNA Isolation Kits
  - 5 Minutes DNA Ligation Kit
  - 20 Minutes Gel Staining/Destaining Kit
  - β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit
- Growth Factors and Cytokines
- Monoclonal and Polyclonal Antibodies