

Cambinol

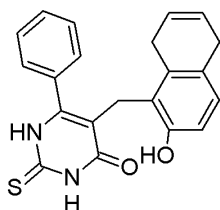
ALTERNATE NAME: 5-[(2-hydroxy-5,8-dihydronaphthalen-1-yl)methyl]-6-phenyl-2-thioxo-2,3-dihydropyrimidin-4(1H)-one; NSC-112546

CATALOG #: 1653-10

AMOUNT: 10 mg

LOT #: _____

STRUCTURE:



MOLECULAR FORMULA: C₂₁H₁₆N₂O₂S

MOLECULAR WEIGHT: 360.43

CAS NUMBER: 14513-15-6

APPEARANCE: White solid

SOLUBILITY: DMSO (~10 mg/ml)

PURITY: ≥95% by HPLC

STORAGE: Store at +4°C. Protect from light.

DESCRIPTION: An inhibitor of NAD-dependent deacetylase activity of human SIRT1 (IC₅₀ = 56 μM) and SIRT2 (IC₅₀ = 59 μM). Acts as an antitumor agent. Treatment of BCL6-expressing Burkitt lymphoma cells with Cambinol induces apoptosis accompanied by hyperacetylation of BCL6 and p53.

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
- Beta-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