

BIO

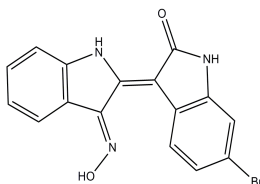
ALTERNATE NAME: (2Z, 3E)-6'-Bromo-3-(hydroxyimino)-[2,3'-biindolylidene]-2'-one

CATALOG #: 1673-1

AMOUNT: 1 mg

LOT #: _____

STRUCTURE:



MOLECULAR FORMULA: C₁₆H₁₀BrN₃O₂

MOLECULAR WEIGHT: 356.17

CAS NUMBER: 667463-62-9

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO (10 mg/ml) or Ethanol (0.5 mg/ml)

PURITY: >98%

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

DESCRIPTION: A potent, selective, reversible and ATP-competitive inhibitor of GSK-3 α / β (IC₅₀ = 5 nM). Under a feeder-free condition, BIO maintains embryonic stem cells (hESCs) in the undifferentiated state.

REFERENCES:

1. Tseng, A.-S., *et al.* (2006). *Chem. Biol.* **13**, 957.
2. Sato, N., *et al.* (2004). *Nat. Med.* **10**, 55.
3. Polychronopoulos, P., *et al.* (2004). *J. Med. Chem.* **47**, 935
4. Meijer, L., *et al.* (2003). *Chem. Biol.* **10**, 1255.

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