

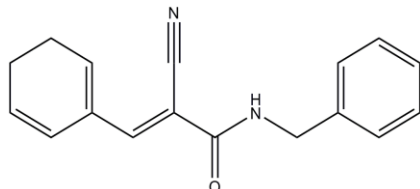
## Tyrphostin AG 490

CATALOG #: 1570-5

AMOUNT: 5 mg

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

## STRUCTURE:

MOLECULAR FORMULA: C<sub>17</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>

MOLECULAR WEIGHT: 294.31

CAS NUMBER: 133550-30-8

PURITY: ≥99%

APPEARANCE: Off-white solid

SOLUBILITY: Soluble in DMSO

STORAGE CONDITIONS: -20°C in the dark. Do not expose to sunlight or fluorescent lights for extended periods.

**BACKGROUND:** Inhibits JAK2 and JAK3 with IC<sub>50</sub> of 0.1 μM and 4.3 μM, respectively. Also selectively inhibits EGF receptor auto-phosphorylation (IC<sub>50</sub> = 100 μM) and selectively inhibits DNA synthesis and cell growth; induces apoptosis. Blocks growth of leukemia cells in vivo and in vitro.

**CAUTION:** Do not ingest, swallow, or inhale. Do not get in eyes or on skin. Care should be taken to prevent contact through all routes of exposure.

**For Research Use Only! Not to be used in humans.**

**RELATED PRODUCTS:**

## Apoptosis Detection Kits &amp; Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers & Inhibitors
- 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 &amp; 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 &amp; 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 &amp; Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Cholesterol Quantification Kit

## Molecular Biology &amp; 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

## Growth Factors and Cytokines (many)

## Polyclonal and Monoclonal Antibodies