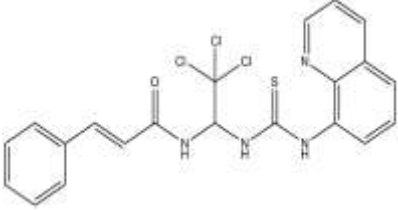


## Salubrinal

<b>ALTERNATE NAME:</b>	N-(2,2,2-trichloro-1-(3-quinolin-8-ylthioureido)ethyl)cinnamamide; SAL; eIF-2 $\alpha$ Inhibitor
<b>CATALOG #:</b>	1980-5
<b>AMOUNT:</b>	5 mg
<b>STRUCTURE:</b>	
<b>MOLECULAR FORMULA:</b>	C <sub>21</sub> H <sub>17</sub> Cl <sub>3</sub> N <sub>4</sub> OS
<b>MOLECULAR WEIGHT:</b>	479.81
<b>CAS NUMBER:</b>	405060-95-9
<b>APPEARANCE:</b>	Beige solid
<b>SOLUBILITY:</b>	DMSO (100 mM)
<b>PURITY:</b>	≥90% HPLC
<b>STORAGE:</b>	Store at -20 °C. Protect from light.
<b>DESCRIPTION:</b>	Cell-permeable. A selective inhibitor of cellular phosphatase complexes that dephosphorylate eukaryotic translation initiation factor 2 subunit $\alpha$ (eIF-2 $\alpha$ ). Also protects cells from endoplasmic reticulum stress-induced apoptosis (EC <sub>50</sub> ~ 15 $\mu$ M).
<b>REFERENCE:</b>	Boyce, M., <i>et al.</i> (2005). <i>Science</i> <b>307</b> , 935-939.
<b>HANDLING:</b>	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 on 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