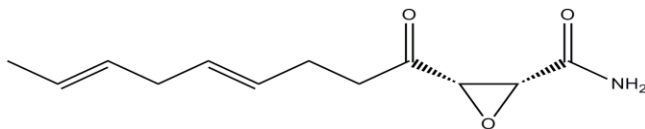


## Cerulenin

CATALOG #: 1579-5 5 mg  
1579-50 50 mg

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

STRUCTURE:



ALTERNATE NAME: 2,3-Epoxy-4-oxo-7,10-dodecadienamides

CAS #: 17397-89-6

MOLECULAR FORMULA: C<sub>12</sub>H<sub>17</sub>NO<sub>3</sub>

MOLECULAR WEIGHT: 223.3

PURITY: ≥98%

APPEARANCE: White to off-white powder

SOLUBILITY: Soluble in DMSO (20mg/ml), methanol or 100% ethanol (20mg/ml); slightly soluble in water.

STORAGE CONDITIONS: Store at -20°C; Protect from light.

**BACKGROUND:** Antibiotic. Fatty acid synthase (FAS) inhibitor, reported to bind in equimolar ratio to β-keto-acyl-ACP synthase, thus inhibiting protein acylation. Produces metabolic effects similar to effects of leptin, but through mechanisms that are independent of, or downstream from, both leptin and melanocortin receptors. Apoptosis inducer. Inhibitor of bacterial fatty acid synthesis (inhibits FabH, FabB and FabF condensation enzymes).

**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 & 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 & 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
- Cholesterol Quantification Kit

#### Molecular Biology & Reporter Assays

- siRNA Vectors
- 5 min DNA Ligation Kit
- Gel Staining/Destaining Kit
- PEG Virus Concentration Kit

#### Metabolism Assays

- Glucose/Sucrose/Fructose/Galactose/Maltose assay Kits
- Lactate/Pyruvate/Glycogen/Amino Acid/Ethanol Assay Kits & More