

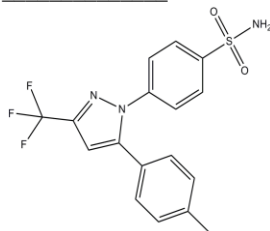
## Celecoxib

**CATALOG #:** 1574-100 100 mg

**AMOUNT:** 1574-1000 1 g

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

**STRUCTURE:**



**Alternate Names:** [Celebrex] [Celebra] [Celecox] [Onsenal] [Solexa] [SC-58635] [YM-177]

**CAS#:** 169590-42-5

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

**MOLECULAR WEIGHT:** 381.37

**PURITY:** ≥99%

**APPEARANCE:** Off-white solid

**SOLUBILITY:** Soluble in DMSO (200 mg/ml), ethanol (100 mg/ml); Poorly soluble in water.

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

**BACKGROUND:** Celecoxib is a highly selective COX-2 inhibitor and primarily inhibits prostaglandin production. Celecoxib is approximately 7.6-fold more selective for COX-2 inhibition over COX-1. This specificity allows celecoxib to reduce inflammation and pain while minimizing gastrointestinal adverse drug reactions that are common with non-selective non-steroidal anti-inflammatory drugs.

**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

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- Taq & Pfu DNA Polymerase
- T4 DNA Ligase

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