

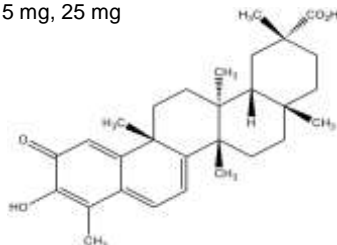
Celastrol

ALTERNATE NAME: (9 β ,13 α ,14 β ,20 α)-3-Hydroxy-9,13-dimethyl-2-oxo-24,25,26-trinoroleana-1(10),3,5,7-tetraen-29-oic acid

CATALOG #: 1940-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₉H₃₈O₄

MOLECULAR WEIGHT: 450.61

CAS NUMBER: 34157-83-0

APPEARANCE: Red solid

SOLUBILITY: DMSO (45 mg/ml) or Ethanol (30 mg/ml)

PURITY: \geq 98% by TLC

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

DESCRIPTION: Cell-permeable. An Antioxidant, anti-inflammatory and immunosuppressive agent. Suppresses LPS-induced cytokine release in macrophages and monocytes (IC₅₀ = 40 nM for IL-1 β and IL-1 α , 80 nM for IL-6, 110 nM for prostaglandin E₂ and 210 nM for IL-8 and TNF- α). Suppresses nitric oxide (NO) production (IC₅₀ = 230 nM) and LPS-induced NF- κ B activation (IC₅₀ = 270 nM). Inhibits chymotrypsin-like activity of 20S proteasome (IC₅₀ = 2.5 μ M) and lipid peroxidation induced by ADP and Fe²⁺ in rat liver mitochondria (IC₅₀ = 7 μ M).

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 on humans.

RELATED PRODUCTS:

- Ascorbic Acid Assay Kit (**Cat. No. K661-100**)
- Ascorbic Acid Assay Kit II (FRASC) (**Cat. No. K671-100**)
- Catalase Assay kit (**Cat. No. K773-100**)
- **Deferoxamine Mesylate**
- (-)-Epigallocatechin gallate (**Cat. No. 1841-50**)
- Glutathione (GSH/GSSG Total) Assay Kit (**Cat. No. K264-100**)
- Glutathione Colorimetric Assay Kit (**Cat. No. K261-100**)
- Glutathione Fluorometric Assay Kit (**Cat. No. K251-100**)
- Glutathione Peroxidase Assay Kit (**Cat. No. K762-100**)
- Glutathione Reductase Assay Kit (**Cat. No. K761-100**)
- GST Colorimetric Assay Kit (**Cat. No. K263-100**)
- GST Fluorometric Assay Kit (**Cat. No. K263-100**)
- Hydrogen Peroxide Assay Kit (**Cat. No. K265-100**)
- Nitric Oxide Colorimetric Assay Kit (**Cat. No. K263-100**)
- Nitric Oxide Fluorometric Assay Kit (**Cat. No. K252-100**)
- Resveratrol (**Cat. No. 1758-100, 500**)
- Rosmarinic Acid (**Cat. No. 1843-50, 250**)
- SOD Activity Assay Kit (**Cat. No. K335-100**)
- Thioredoxin Reductase Assay Kit (**Cat. No. K763-100**)
- Tiliroside (**Cat. No. 1879-1,5**)
- Total Antioxidant Capacity Assay Kit (**Cat. No. K274-100**)
- Uric Acid Assay Kit (**Cat. No. K608-100**)
- Xanthine Oxidase Assay Kit (**Cat. No. K710-100**)