PRODUCT: Ilimaquinone

ALTERNATE NAME: 3-[(Decahydro-1α,2β,4αβ-trimethyl-5-methylene-1-naphthyl)methyl]-2-hydroxy-5-methoxybenzoquinone; IQ

CATALOG #: 2038-100

AMOUNT: 100 µg

STRUCTURE: 

MOLECULAR FORMULA: C_{22}H_{30}O_{4}

MOLECULAR WEIGHT: 358.47

CAS NUMBER: 71678-03-0

APPEARANCE: Yellow solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: Store at -20 ℃. Protect from light.

DESCRIPTION: Cell-permeable. A marine sponge metabolite that acts as a cytoplasmic microtubule inhibitor. Induces a complete and reversible breakdown/disruption of Golgi membranes into smaller vesicular structures and blocks the association of the ADP-ribosylation factor and β-COP to the Golgi membrane. Ilimaquinone displays anticancer activity via GADD153-mediated pathway.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:
- Betulinic Acid (Cat. No. 1552-25)
- Bexarotene (Cat. No. 1575-5, 50)
- Capecitabine (Cat. No. 1741-100, 1000)
- Carboplatin (Cat. No. 1553-100)
- Cisplatin (Cat. No. 1550-100,1000)
- Daunorubicin.HCl (1524-10,50,500)
- Doxorubicin HCl (Cat. No. 1527-5)
- (-)-Epigallocatechin gallate (Cat. No. 1841-50)
- Epothilone B (Cat. No. 2012-1, 5)
- Fludarabine Phosphate (Cat. No. 1763-10, 50)
- Gemcitabine Hydrochloride (Cat. No. 1759-25, 100)
- Genistein (Cat. No. 1533-10)
- Nedaplatin (Cat. No. 1576-5)
- Nitric Oxide Colorimetric Assay Kit (Cat. No. K263-100)
- Nitric Oxide Fluorometric Assay Kit (Cat. No. K252-100)
- Oxaliplatin (Cat. No. 1577-25)
- Paclitaxel (Cat. No. 1567-25)
- Tamoxifen Citrate (Cat. No. 1551-1000)
- Vinorelbine Tartrate (Cat. No. 1957-5, 25)

USAGE: FOR RESEARCH CH USE ONLY! Not to be used in humans