

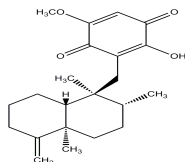
**PRODUCT: Ilimaquinone**

**ALTERNATE NAME:** 3-[(Decahydro-1 $\alpha$ ,2 $\beta$ ,4 $\alpha\beta$ -trimethyl-5-methylene-1-naphthyl)methyl]-2-hydroxy-5-methoxybenzoquinone; IQ

**CATALOG #:** 2038-100

**AMOUNT:** 100  $\mu$ g

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>22</sub>H<sub>30</sub>O<sub>4</sub>

**MOLECULAR WEIGHT:** 358.47

**CAS NUMBER:** 71678-03-0

**APPEARANCE:** Yellow solid

**SOLUBILITY:** DMSO

**PURITY:**  $\geq$ 98% by HPLC

**STORAGE:** Store at -20 °C. 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  $\beta$ -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**)  
 Piperlongumine (**Cat. No. 1919-10, 50**)  
 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*