

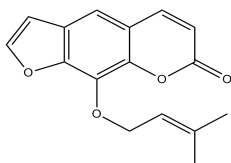
**PRODUCT: Imperatorin**

**ALTERNATE NAME:** 9-(3-methylbut-2-enoxy)furo[3,2-g]chromen-7-one;  
Pentosalen; Marmelosin; Ammidin; NSC 402949; BAN

**CATALOG #:** 2318-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>16</sub>H<sub>14</sub>O<sub>4</sub>

**MOLECULAR WEIGHT:** 270.28

**CAS NUMBER:** 482-44-0

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO

**PURITY:** ≥98% by HPLC

**STORAGE:** At -20° C. Protect from air and light

**DESCRIPTION:** A furanocoumarin isolated from *Opopanax chironium* L. Displays anticancer properties. It induces apoptosis as well as DNA fragmentation at the G1/S phase of the cell cycle. Imperatorin sensitizes anoikis and inhibits anchorage-independent growth of lung cancer cells. Modulator of SMAD1/5/8, p38, ERK pathways. Also acts as a L-type calcium channel blocker.

**REFERENCES:** Choochuay, K., *et al.* (2012). *J. Nat. Med.* **Oct. 30** [Epub ahead of print]; Lu, W., *et al.* (2012). *Med. Chem.* (2012). **Oct. 10** [Epub ahead of print]

**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)
- Colchicine (Cat. No. 1519-1000)
- Combretastatin A4 (Cat. No. 2239-10, 50)
- Daunorubicin.HCl (1524-10,50,500)
- Docetaxel (Cat. No. 2232-10, 50)
- 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)
- Ilimaquinone (Cat. No. 2038-100)
- Nedaplatin (Cat. No. 1576-5)
- Nocodazole (Cat. No. 2185-10, 50)
- 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**