

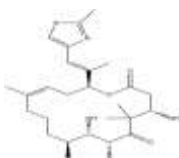
**PRODUCT: Epothilone D**

**ALTERNATE NAME:** (4S,7R,8S,9S,16S,Z)-4,8-dihydroxy-5,5,7,9,13-pentamethyl-16-((E)-1-(2-methylthiazol-4-yl)prop-1-en-2-yl)oxacyclohexadec-13-ene-2,6-dione; (-)-Desoxyepothilone B; (-)-Epothilone D; 12,13-Deoxyepothilone B; 12,13-Desoxyepothilone B; Desoxyepothilone B; Epo D; Epothilone D; KOS 862; KOS862; KOS-862; NSC 703147

**CATALOG #:** 9559-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>27</sub>H<sub>41</sub>NO<sub>5</sub>S

**MOLECULAR WEIGHT:** 491.68

**CAS NUMBER:** 189453-10-9

**APPEARANCE:** Crystalline solid

**SOLUBILITY:** DMSO (>30 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** Epothilone D is a natural polyketide compound isolated from the myxobacterium *Sorangium cellulosum*. Epothilone D binds to tubulin and inhibits the disassembly of microtubules, resulting in the inhibition of mitosis, cellular proliferation, and cell motility.

**REFERENCES:** Zhang, B., *et al.* (2012). *J. Neurosci.* **32**, 3601-3611.

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

**RELATED PRODUCTS:**

ABT751 (Cat. No. 2836-5, 25)

Colchicine (**Cat. No. 1519-1000**)

Combretastatin A (**Cat. No. 2239-10, 50**)

Docetaxel (**Cat. No. 2232-10, 50**)

ELR-510444 (**Cat. No. 9433-5,25**)

Epothilone B (**Cat. No. 2012-1,5**)

Nocodazole (**Cat. No. 2185-10, 50**)

Paclitaxel (**Cat. No. 1567-25**)

Podophyllotoxin (**Cat. No. 2767-50**)

Pseudolaric acid B (**Cat. No. 2512-1, 5**)

Tamoxifen Citrate (**Cat. No. 1551-1000**)

Vinblastin sulfate (**Cat. No. 1959-5, 25**)

Vinorelbine tartrate (**Cat. No. 1957-5, 25**)

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