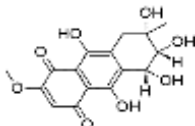


**PRODUCT: Bostrycin****ALTERNATE NAMES:** (5R,6R,7S)-5,6,7,9,10-pentahydroxy-2-methoxy-7-methyl-6,8-dihydro-5H-anthracene-1,4-dione; Rhodosporin**CATALOG NUMBER:** B2128-500, 1000**AMOUNT:** 500 µg, 1 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>16</sub>H<sub>16</sub>O<sub>8</sub>**MOLECULAR WEIGHT:** 336.30**CAS NUMBER:** 21879-81-2**APPEARANCE:** Dark red solid**SOLUBILITY:** DMSO (1 mg/ml)**PURITY:** ≥95% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** Bostrycin is a tetrahydroanthraquinone isolated from *Bostrychionema aloestre*. It induces mitochondria-mediated apoptosis in the yeast *saccharomyces cerevisiae*, inhibits proliferation of human lung carcinoma A549 cells via downregulation of the PI3K/Akt pathway. It also displays activity against *Myobacterium tuberculosis* protein tyrosine phosphatase (MtpB) in vitro.**REFERENCE:** Yang, W.J., *et al.* (2012). *Enzyme Microbe Technol.* 50, 287-292**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**AEBSF, HCl (**Cat. No. 1644-200, 1G**)Aprotinin (**Cat. No. 4690-5, 100, 1000**)BCA Protein Quantitation Kit (**Cat. No. K812-1000**)Cytostatin sodium (**Cat. No. B1240-250**)E-64 (**Cat. No. 1739-5, 25**)EZBlock™ Phosphatase Inhibitor Cocktail III (**Cat. No. K276-1, set**)EZBlock™ Phosphatase Inhibitor Cocktail IV (**Cat. No. K282-1, set**)EZBlock™ Phosphatase Inhibitor Cocktail I (50X) (**Cat. No. K273-1, set**)EZBlock™ Protease Inhibitor Cocktail II (**Cat. No. K277-set**)EZBlock™ Protease Inhibitor Cocktail III (**Cat. No. K278-set**)EZBlock™ Protease Inhibitor Cocktail IV (**Cat. No. K279-1, set**)EZBlock™ Protease Inhibitor Cocktail EDTA-Free (**Cat. No. K272-1, 5, set**)EZBlock™ Protease Inhibitor Cocktail V, EDTA-Free (**Cat. No. K290-1, set**)EZBlock™ Protease Inhibitor Cocktail VI, General Use (**Cat. No. K291-1, set**)EZBlock™ Protease Inhibitor Cocktail VII (**Cat. No. K292-1, set**)EZBlock™ Protease Inhibitor Cocktail VIII (**Cat. No. K293-1, set**)EZBlock™ Protease Inhibitor Cocktail IX (**Cat. No. K294-1, set**)EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail (**Cat. No. K283-1, set**)EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail, EDTA-Free (**Cat. No. K284-1, set**)EZLys™ Bacterial Protein Extraction Reagent (**Cat. No. 8001-100, 500**)EZLys™ Lysozyme, Human (**Cat. No. 8005-1G, 5G**)Okadaic Acid (**Cat. No. 1543-025**)Okadaic Acid, Ammonium Salt (**Cat. No. 1766-025**)Okadaic Acid, Potassium Salt (**Cat. No. 1765-025**)Okadaic Acid, Sodium Salt (**Cat. No. 1764-025**)Leupeptin, Hemisulfate (**Cat. No. 1648-25, 50, 100**)Pepstatin A (**Cat. No. 1732-25, 100**)Protease Inhibitor Cocktail (**Cat. No. K271-500**)PMSF (**Cat. No. 1548-5**)Rubratoxin A (**Cat. No. B1239-250, 500**)SHP099 hydrochloride (**Cat. No. B1308-5,25**)Tautomycin (**Cat. No. B1237-10, 50**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**