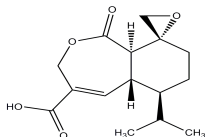


**PRODUCT: Heptelidic Acid****ALTERNATE NAME:** Koningic acid; Avocettin; FO-4443; BRN 5091359**CATALOG #:** 2215-250, 1000**AMOUNT:** 250 µg, 1 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>15</sub>H<sub>20</sub>O<sub>5</sub>**MOLECULAR WEIGHT:** 280.32**CAS NUMBER:** 74310-84-2**APPEARANCE:** White solid**SOLUBILITY:** DMSO or EtOH**PURITY:** ≥95% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** A sesquiterpene antibiotic, isolated from *Trichoderma* sp. A potent and selective glyceraldehyde 3-phosphate dehydrogenase (GAPDH) inhibitor. Binds to the essential Cys149 residue in the catalytic site of GAPDH. Selectively kills high-glycolytic cancer cells through glucose-dependent active ATP deprivation. Selective and competitive inhibitor of mammalian DNA polymerases beta, lambda and terminal deoxynucleotidyl transferase (TdT) in family X of pols.**REFERENCE:** Sakai, K., *et al.* (1991). *Biochim. Biophys. Acta* **1077**, 192-196.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**GAPDH Antibody (**Cat. No. 3777-100**)GAPDH Antibody (**Cat. No. 3777R-100**)GAPDH, human recombinant (**Cat. No. 7602-20, 1000**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**