PRODUCT: Heptelidic Acid

ALTERNATE NAME: Koningic acid; Avocettin; FO%4443; BRN 5091359

CATALOG #: 2215-250, 1000

AMOUNT: 250 µg, 1 mg

STRUCTURE:

MOLECULAR FORMULA: C₁₅H₂₀O₅

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.


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