Defensin HNP-3(trifluoroacetate salt) Biochemical

Defensin HNP-3 (human)(trifluoroacetate salt)

CATALOG #
AAA227375

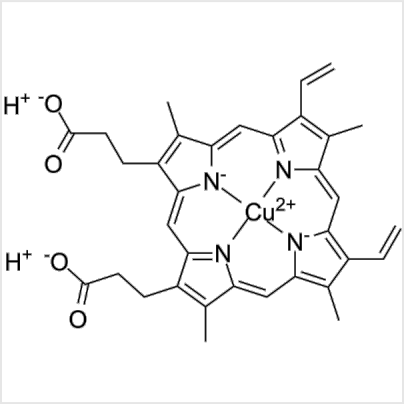
PRODUCT SYNONYMS

Defensin HNP-3(trifluoroacetate salt); Defensin HNP-3 (human)(trifluoroacetate salt); Defensin HNP-3(trifluoroacetate salt) biochemical

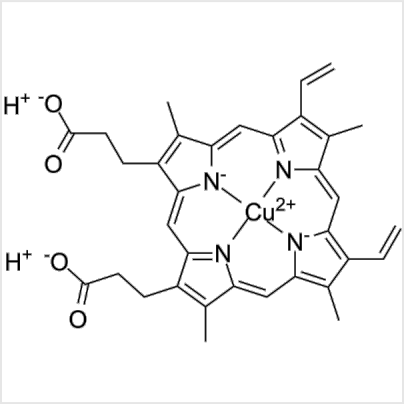
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	H2O: 1 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Cu(II) protoporphyrin IX, CAS 14494-37-2



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ADDITIONAL INFORMATION

Related Product Information for Defensin HNP-3(trifluoroacetate salt) biochemical	Defensin HNP-3 is a peptide secreted by human polymorphonuclear leukocytes (PMNs) that has antimicrobial properties. It induces lysis of mammalian cells when used at a concentration of 25 ug/mL. It also inhibits growth of E. faecalis (ED50 = 100 nM) and clinical isolates of P. aeruginosa (MIC90 = 4 uM). HNP-3 binds to recombinant HIV-1 envelope glycoprotein (gp120) and human CD4 (Kds = 52.8 and 34.9 nM, respectively). It also binds to recombinant, immobilized human surfactant protein D (SP-D; Kd = 55.7 nM) and inhibits focus formation in Madin-Darby canine kidney (MDCK) cells infected with influenza A virus (IAV).
References	1. Jozkowicz A, et al. Heme oxygenase-1 in tumors: is it a false friend. Antioxid Redox Signal. 2007;9(12):2099-2117. 2. Abraham NG, et al. Heme oxygenase and the cardiovascular-renal system. Free Radic Biol Med. 2005;39(1):1-25. 3. Kim DH, et al. Heme oxygenase-mediated increases in adiponectin decrease fat content and inflammatory cytokines tumor necrosis factor-alpha and interleukin-6 in Zucker rats and reduce adipogenesis in human mesenchymal stem cells. J Pharmacol Exp Ther. 2008;325(3):833-840.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/biochemical/defensin-hnp-3-trifluoroacetate-salt/227375