

Defensin HNP-3 (human) (trifluoroacetate salt)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Keep away from moisture

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	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 µg/mL. It also inhibits growth of <i>E. faecalis</i> (ED50 = 100 nM) and clinical isolates of <i>P. aeruginosa</i> (MIC90 = 4 µM). 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).
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Solubility Information

Solubility	H2O: 1 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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