

beta-Defensin-1 (trifluoroacetate salt) Biochemical

beta-Defensin-1 (human)(trifluoroacetate salt)

CATALOG #
AAA227021

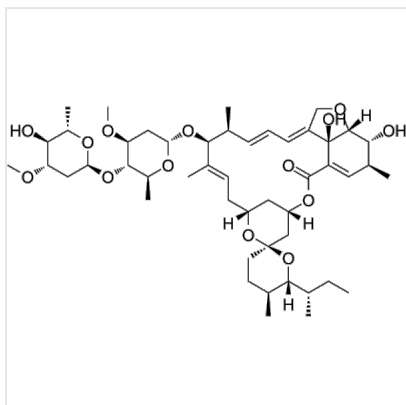
PRODUCT SYNONYMS

beta-Defensin-1 (trifluoroacetate salt); beta-Defensin-1 (human)(trifluoroacetate salt); beta-Defensin-1 (trifluoroacetate salt) biochemical

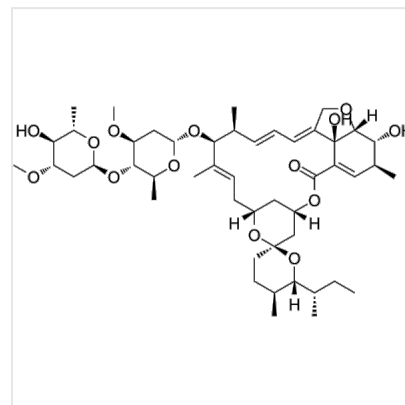
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	H ₂ O: 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
2,3-Dehydro-3,4-dihydro ivermectin, CAS 1135339-49-9



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ADDITIONAL INFORMATION

Related Product Information for beta-Defensin-1 (trifluoroacetate salt) biochemical

beta-Defensin-1 is a peptide with antimicrobial properties that protects the skin and mucosal membranes of the respiratory, genitourinary, and gastrointestinal tracts.¹It inhibits the growth of *B. adolescentis*, *L. acidophilus*, *B. breve*, *B. vulgatus*, *L. fermentum*, *B. longum*, and *S. thermophilus* in an antimicrobial radial diffusion assay.²beta-Defensin-1 also inhibits the growth of periodontopathogenic and cariogenic bacteria, including *P. gingivalis* and *S. salivarius*, and of susceptible *M. tuberculosis* H37Rv but not of resistant *M. tuberculosis* RM22 when used at a concentration of 128 ug/ml.^{3,4}It blocks human and mouse Kv1.3 voltage-gated potassium channels (IC₅₀s = 11.8 and 13.2 uM, respectively).⁵Overexpression of beta-defensin-1 in the human oral squamous cell carcinoma (OSCC) cell lines HSC-3, UM-1, and SCC-9 increases migration and invasion but not proliferation.⁶

NCBI AND UNIPROT INFORMATION

Molecular Weight	875.106
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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://stage.aaabiotech.com/biochemical/beta-defensin-1-trifluoroacetate-salt/227021>