

beta-Defensin-3 (trifluoroacetate salt) Biochemical

beta-Defensin-3 (human)(trifluoroacetate salt)

CATALOG #
AAA227024

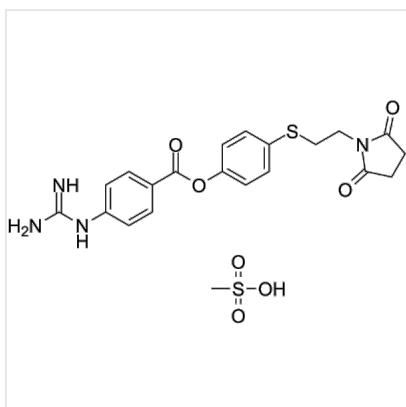
PRODUCT SYNONYMS

beta-Defensin-3 (trifluoroacetate salt); beta-Defensin-3 (human)(trifluoroacetate salt); E-3123 mesylate; beta-Defensin-3 (trifluoroacetate salt) biochemical

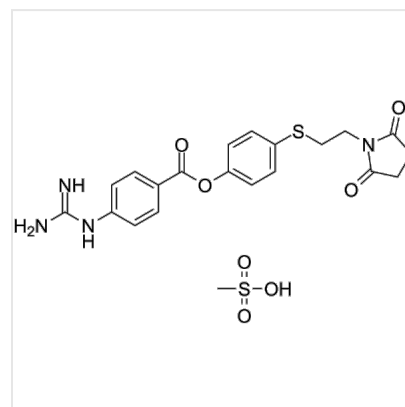
PRODUCT SPECIFICATIONS

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
Patamostat mesylate, CAS 114568-32-0



Structure
Patamostat mesylate, CAS 114568-32-0

ADDITIONAL INFORMATION

Related Product Information for beta-Defensin-3 (trifluoroacetate salt) biochemical	beta-Defensin-3 is a peptide with antimicrobial properties that protects the skin and mucosal membranes of the respiratory, genitourinary, and gastrointestinal tracts. It inhibits the growth of the periodontopathogenic and cariogenic bacteria <i>F. nucleatum</i>, <i>S. mutans</i>, <i>S. sobrinus</i>, <i>S. salivarius</i>, and <i>L. casei</i> (MICs = 12.5-100 mg/l). It also inhibits the growth of <i>S. aureus</i>, <i>S. pyogenes</i>, <i>P. aeruginosa</i>, <i>E. coli</i>, and <i>C. albicans</i>. beta-Defensin-3 stimulates gene expression and production of IL-6, IL-10, CXCL10, CCL2, MIP-3alpha, and RANTES by keratinocytes when used at a concentration of 30 ug/ml. It also stimulates calcium mobilization, migration, and proliferation of keratinocytes when used at concentrations of 30, 5, and 20 ug/ml, respectively. beta-Defensin-3 induces IL-31 production by human peripheral blood-derived mast cells in vitro when used at a concentration of 10 ug/ml and by rat mast cells in vivo following a 500 ng intradermal dose.
References	1. K Miyamoto, et al. [Effects of E-3123, a New Protease Inhibitor, on Several Protease Activities and on Experimental Acute Pancreatitis]. <i>Nihon Yakurigaku Zasshi</i>. 1988 May;91(5):285-93. 2. T Hirano, et al. Protective Effect of a Cephalosporin, Shiomarin, Plus a New Potent Protease Inhibitor, E3123, on Rat Taurocholate-Induced Pancreatitis. <i>J Gastroenterol Hepatol</i>. Jan-Feb 1993;8(1):52-9.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/biochemical/beta-defensin-3-trifluoroacetate-salt/227024>