

Patamostat mesylate Biochemical

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CATALOG #
AAA227471

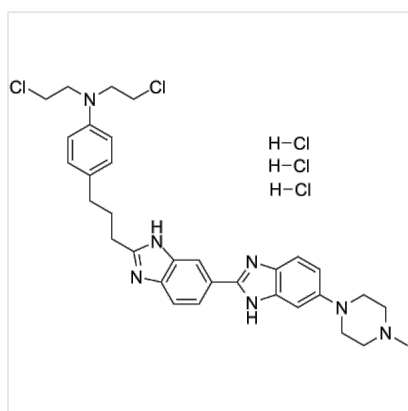
PRODUCT SYNONYMS

Patamostat mesylate; Patamostat mesylate biochemical

PRODUCT SPECIFICATIONS

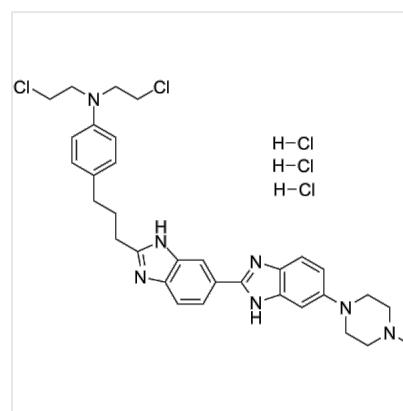
Purity/Purification	98%
CAS	114568-32-0
Targets&IC50	Thrombin:1.9 uM (IC50), plasmin:950 nM (IC50), Trypsin:39 nM (IC50)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Patamostat mesylate (intravenous infusion) at 0.03-0.3mg/kg in rats or at 0.3-3.0 mg/kg in rabbits reduces mortality after the induction of pancreatitis in a dose-dependent manner[1]. Patamostat mesylate (1.0-3.0 mg/kg; intravenous infusion) reduces the increases of serum trypsin and lipase activities in dogs with pancreatitis[1]. Patamostat mesylate (2 mg/kg per h; continuous infusion) improves almost all parameters, including mortality rate, serum and ascitic fluid amylase levels, plasma endotoxin and serum FDP levels, and distribution of lysosomal enzyme in male Wistar rats[2]. Animal Model: Male Wistar rats weighing about 350 g[2]. Dosage: 2 mg/kg. Administration: Continuous infusion per h for 1 h. Result: Significantly improved the survival rate.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

Hoechst 33342 analog trihydrochloride, CAS 159277-19-7



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ADDITIONAL INFORMATION

Related Product Information for Patamostat mesylate biochemical	Patamostat (E-3123) mesylate is a potent protease inhibitor. Patamostat mesylate potently inhibits trypsin, plasmin and thrombin with IC 50 s of 39 nM, 950 nM and 1.9 uM, respectively. Patamostat mesylate may possess suppressing effects on pathogenesis and development of acute pancreatitis.
References	1. Chazotte B. Labeling nuclear DNA with hoechst 33342. Cold Spring Harb Protoc. 2011 Jan 1;2011(1):pdb.prot5557.

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/patamostat-mesylate/227471>