

APJ receptor agonist 4 Biochemical | APJ biochemical

APJ receptor agonist 4

CATALOG #
AAA228145

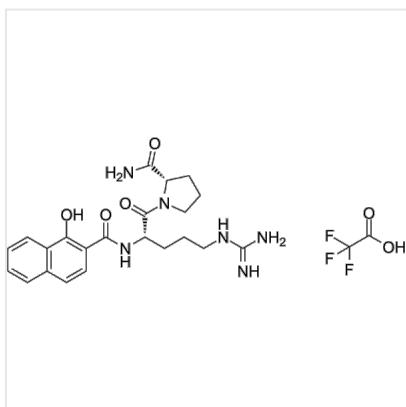
PRODUCT SYNONYMS

APJ receptor agonist 4; APJ biochemical

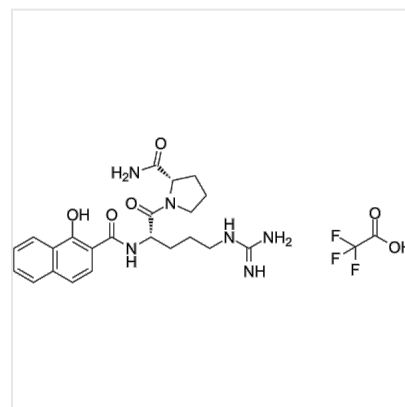
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2135515-67-0
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Assessment of Pharmacokinetics (PK) profile of APJ receptor agonist 4 (compound 21) in mouse[1]. species rat monkey dog max (ng/mL) dose (mg/kg) 1 (i.v. and p.o.) 1 (i.v.) and 3 (p.o.) 1 (i.v. and p.o.) vehiclea F G G Cl (mL/min/kg) 4.6 10.6 2.4 V SS (L/kg) 1.6 0.2 0.2 T 1/2 (h) 4.0 1.3 2.5 C max (uM/h) 2.2 1.4 6.5 AUC 0-24 (uM/h) 3.7 2.5 14.2 F (%) 54 27 76 a: Vehicle F: 5/5/90 v/v/v DMAC/Cremophor EL/sodium carbonate buffer, pH 9 and vehicle G: 10/40/50 v/v/v ethanol/PEG400/sodium carbonate buffer, pH 9.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
APC 366 TFA, CAS 2421110-28-1



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ADDITIONAL INFORMATION

Related Product Information for APJ biochemical	APJ receptor agonist 4 is a potent and orally active agonist of apelin receptor (APJ) with EC 50 and Ki of 0.06 nM and 0.07 nM respectively. APJ receptor agonist 4 displays excellent pharmacokinetic profiles in the rodent heart failure (HF) model. APJ receptor agonist 4 also shows an acceptable safety profile in preclinical toxicology studies. APJ receptor agonist 4 leads to improved cardiac function and can be used for researching the HF disease.
References	1. Matos NA, et al. Mast cell tryptase induces eosinophil recruitment in the pleural cavity of mice via proteinase-activated receptor 2. Inflammation. 2013;36(6):1260-1267.

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/apj-receptor-agonist-4/228145>