

APJ receptor agonist 1 Biochemical | APJ biochemical

APJ receptor agonist 1

CATALOG #
AAA228292

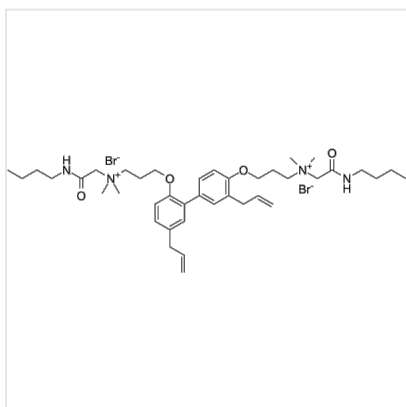
PRODUCT SYNONYMS

APJ receptor agonist 1; APJ biochemical

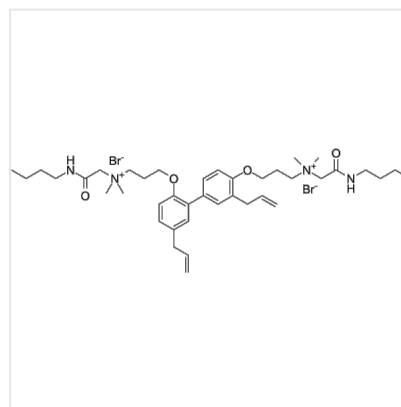
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2287153-38-0
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	APJ receptor agonist 1 (10-100 ug/min/kg; intravenous infusion) induces a 10% increase in CO with minimal impact on blood pressure (<5% transient blood pressure drop)[1]. Animal Model: Isoflurane-anesthetized male Sprague Dawley rats[1]. Dosage: 10, 100, 1000 ug/kg/min. Administration: IV; infused into the jugular vein for 15 min. Result: Showed a dose-dependent improvement in the cardiac output in male Sprague Dawley rats with no significant changes in either mean arterial blood pressure or heart rate.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Antibacterial agent 28, CAS 2673185-41-4



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ADDITIONAL INFORMATION

Related Product Information for APJ biochemical	APJ receptor agonist 1, a biphenyl acid derivative, is a potent APJ receptor (APJ-R) agonist (EC 50 s 0.093 and 0.12 nM for human and rat APJ-R, respectively). APJ receptor agonist 1 displays in vitro potency to apelin-13, the endogenous peptidic ligand for the APJ receptor. APJ receptor agonist 1 has the potential for the research of heart failure.
References	1. Guo Y, et al. Development of Membrane-Active Honokiol/Magnolol Amphiphiles as Potent Antibacterial Agents against Methicillin-Resistant Staphylococcus aureus (MRSA). J Med Chem. 2021 Sep 9;64(17):12903-12916.

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-1/228292>