

Brain Natriuretic Peptide, acetate Biochemical

Brain Natriuretic Peptide (1-32), rat acetate

CATALOG #
AAA227077

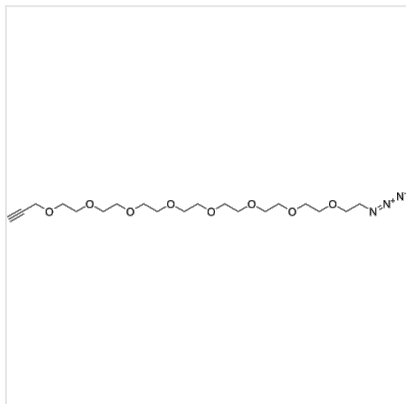
PRODUCT SYNONYMS

Brain Natriuretic Peptide; acetate; Brain Natriuretic Peptide (1-32); rat acetate; acetate biochemical

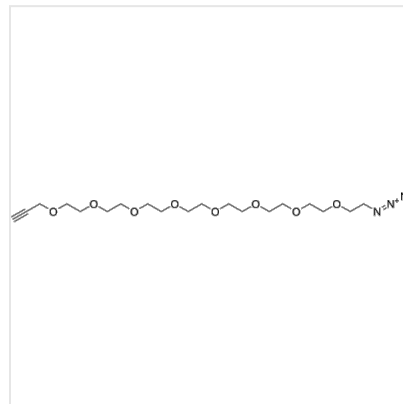
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	The depressor, natriuretic and cyclic GMP responses to several species of brain natriuretic peptide (BNP) are compared to atrial natriuretic peptide (ANP) 99-126 in conscious spontaneously hypertensive rats (SHR) and in conscious cynomolgus monkeys treated with vehicle or the selective neutral endopeptidase inhibitor SQ 28603. In the conscious SHR, the natriuretic and cyclic GMP responses to 3 nmol/kg i.v. rat BNP (1-32) greater than rat ANP 99-126 greater than pig BNP-26 and are significantly potentiated by 100 μmol/kg i.v. SQ 28,603. Human BNP-32 is inactive in the SHR treated with either vehicle or SQ 28,603. In contrast, 1 nmol/kg i.v. of human BNP (1-32) stimulates renal and depressor responses in the conscious monkeys that are greater than or equal to those elicited by human ANP 99-126, whereas 3 nmol/kg i.v. rat BNP (1-32) reduces mean arterial pressure without affecting renal function[3].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Azido-PEG8-propargyl, CAS 1196733-06-8



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Azido-PEG8-propargyl, CAS 1196733-06-8

ADDITIONAL INFORMATION

Related Product Information for Brain Natriuretic Peptide, acetate biochemical	Brain Natriuretic Peptide (1-32), rat acetate (BNP (1-32), rat acetate) is a 32 amino acid polypeptide secreted by the ventricles of the heart in response to excessive stretching of heart muscle cells (cardiomyocytes)[1].
References	1. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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/brain-natriuretic-peptide-acetate/227077>