

Bradykinin (2-7)

PRODUCT DESCRIPTION

Bradykinin (2-7) is a 6-amino-acid A peptide related to the kinin-kallikrein system, mediating vasodilation, increased vascular permeability, smooth muscle contraction, and pain signaling through B1 and B2 bradykinin receptors. Widely used in cardiovascular, inflammation, and pain research for studying kinin receptor pharmacology, ACE inhibitor mechanisms, and inflammatory cascade modulation.

PRODUCT SPECIFICATIONS

Catalog Number	BPT2460
CAS Number	23828-06-0
Molecular Weight	600.6617 Da
Molecular Formula	C29H40N6O8
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

PPGFSP

Three-Letter Code:

H-Pro-Pro-Gly-Phe-Ser-Pro-OH

RESEARCH APPLICATIONS

Application	Receptor binding
Biomarker Target	Bradykinin Receptors (B1/B2)
Research Area	Inflammation
Sub-category	Kinin-Kallikrein System

STORAGE & HANDLING

Storage Temperature	-20 deg C
Form	Lyophilized
Stability	Lyophilized product stable for 24 months at -20 deg C
Reconstitution	Reconstitute in sterile water or appropriate buffer
After Reconstitution	Aliquot and store at -20 to -80 deg C
Avoid	Repeated freeze-thaw cycles

AVAILABLE SIZES

Size Options	1 mg, 10 mg
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Usage

Research use

QUALITY CONTROL

Purity Method

HPLC, Mass Spectrometry (MS)

Identity

Confirmed by ESI-MS or MALDI-TOF

Purity

Peak Area by HPLC >=95%

Documentation

Certificate of Analysis (CoA) available upon request