

Cardiogen

PRODUCT DESCRIPTION

Cardiogen is a tetrapeptide bioregulator for cardiovascular tissue. Stimulates cardiomyocyte proliferation, suppresses p53-mediated apoptosis, and modulates fibroblast ECM remodeling (collagen and elastin synthesis). Research tool for cardiac regeneration and age-related cardiovascular decline.

PRODUCT SPECIFICATIONS

Catalog Number	BPT2901
CAS Number	857267-11-9
Molecular Weight	489.48 Da
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

Ala-Glu-Asp-Arg (AEDR)

RESEARCH APPLICATIONS

Application	Biological activity
Biomarker Target	Peptide Target
Research Area	Biomedical Research
Sub-category	Research Peptides & Tools

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
Usage	Research use

QUALITY CONTROL

Purity Method	HPLC, Mass Spectrometry (MS)
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Identity	Confirmed by ESI-MS or MALDI-TOF
Purity	Peak Area by HPLC >=95%
Documentation	Certificate of Analysis (CoA) available upon request