

Adrenomedullin (22-52) (human) trifluoroacetate salt

PRODUCT DESCRIPTION

Adrenomedullin (22-52) (human) trifluoroacetate salt is a 33-amino-acid A peptide related to the calcitonin/CGRP superfamily, involved in calcium homeostasis, bone metabolism, vasodilation, and nociception. Used in endocrinology and neuroscience research to study calcitonin receptor (CTR) and CGRP receptor (CLR/RAMP1) signaling, with applications in osteoporosis, migraine, and pain research.

PRODUCT SPECIFICATIONS

|                   |                                      |
|-------------------|--------------------------------------|
| Catalog Number    | BPT0118                              |
| CAS Number        | [159899-65-7] net                    |
| Molecular Weight  | 3575.9715 Da                         |
| Molecular Formula | C159H252N46O48                       |
| Purity            | Peak Area by HPLC >=95%              |
| Form              | Lyophilized                          |
| Source            | Synthetic (Chemical Synthesis, SPPS) |
| Endotoxin         | N/A (Synthetic peptide)              |

AMINO ACID SEQUENCE

One-Letter Code:

TVQKLAHQIYQFTDKDKDNVAPRSKISPQGY-NH2

Three-Letter Code:

H-Thr-Val-Gln-Lys-Leu-Ala-His-Gln-Ile-Tyr-Gln-Phe-Thr-Asp-Lys-Asp-Lys-Asp-Asn-Val-Ala-Pro-Arg-Ser-Lys-Ile-Ser-Pro-Gln-Gly-Tyr-NH2

RESEARCH APPLICATIONS

|                  |                                   |
|------------------|-----------------------------------|
| Application      | Receptor binding                  |
| Biomarker Target | Calcitonin/CGRP Receptors         |
| Research Area    | Endocrinology                     |
| Sub-category     | Calcitonin/CGRP & Bone Metabolism |

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 |
|--------------|-------------|

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