PRODUCT INFORMATION

Stresscopin-related Peptide (trifluoroacetate salt)

Item No. 46014

Synonyms: SRP, UCN 2, Urocortin 2
Peptide Sequence: HPGSRIVLSLDVPIGLLQILLEQAR ARAAREQATTNARILARV-OH
MF: $C_{205}H_{357}N_{67}O_{58} \bullet XCF_3COOH$
FW: 4,688.5
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years

H—His—Pro—Gly—Ser—Arg—Ile—Val—Leu—Ser—Leu—
Asp—Val—Pro—Ile—Gly—Leu—Leu—Gln—Ile—Leu—
Leu—Glu—Gln—Ala—Arg—Ala—Arg—Ala—Ala—Arg—
Glu—Gln—Ala—Thr—Thr—Asn—Ala—Arg—Ile—Leu—
Ala—Arg—Val—OH
• XCF_3COOH

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Stresscopin-related peptide (SRP) (trifluoroacetate salt) is supplied as a solid. A stock solution may be made by dissolving the SRP (trifluoroacetate salt) in the solvent of choice, which should be purged with an inert gas. SRP (trifluoroacetate salt) is sparingly soluble (1-10 mg/ml) in DMSO and a 1:1 solution of acetonitrile:water.

Description

SRP is a neuropeptide involved in mediating homeostasis and recovery after stress and a corticotropin-releasing factor receptor 2α ($CRF_{2α}$) and $CRF_{2β}$ agonist.[1] SRP is expressed in the brain, peripheral blood cells, and many peripheral tissues, including heart and adrenal tissues. It increases cAMP levels in HEK293T cells expressing $CRF_{2α}$ or $CRF_{2β}$ but not in HEK293T cells expressing CRF_1. SRP (80 nmol/kg, i.p.) reduces food intake and gastric emptying in fasted mice and heat-induced edema in anesthetized rats.

Reference

1. Hsu, S.Y. and Hsueh, A.J.W. Human stresscopin and stresscopin-related peptide are selective ligands for the type 2 corticotropin-releasing hormone receptor. *Nat. Med.* **7(5)**, 605-611 (2001).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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