LKT Laboratories, Inc.

Small Cardioactive Peptide A

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID S1060
CAS No. 98035-79-1
Chemical Name

Synonym SCPA

Formula $C_{59}H_{92}N_{18}O_{12}S$
Formula Wt. 1277.57
Melting Point
Purity ≥95%
Solubility

H-Ala-Arg-Pro-Gly-Tyr-Leu-Ala-Phe-Pro-Arg-Met-NH_2

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
S1060	1 mg	$75.70
S1060	2 mg	$129.30
S1060	5 mg	$226.90

Store Temp -20°C
Ship Temp Ambient

Description Small cardioactive peptide A (SCPA) is a peptide co-transmitter intrinsic to motor neurons that controls feeding behavior and muscle movement in molluscs such as species of *Lymnea*, *Aplysia*, and *Clione*. SCPA acts at the neuromuscular synapse, increasing cAMP; here, this peptide facilitates connection between cholinergic inhibitory neurons and sensory neurons. SCPA also controls feeding behavior, increasing feeding arousal.

References

Fox LE, Lloyd PE. Role of cAMP in the short-term modulation of a neuromuscular system in aplysia. J Neurophysiol. 2000 Mar;83 (3):1567-79. PMID: 10712480.

Storozhuk M, Castellucci VF. Modulation of cholinergic transmission in the neuronal network of the gill and siphon withdrawal reflex in Aplysia. Neuroscience. 1999 Apr;90(1):291-301. PMID: 10188955.

Perry SJ, Dobbins AC, Schofield MG, et al. Small cardioactive peptide gene: structure, expression and mass spectrometric analysis reveals a complex pattern of co-transmitters in a snail feeding neuron. Eur J Neurosci. 1999 Feb;11(2):655-62. PMID: 10051766.

Whim MD, Lloyd PE. Neuropeptide cotransmitters released from an identified cholinergic motor neuron modulate neuromuscular efficacy in Aplysia. J Neurosci. 1990 Oct;10(10):3313-22. PMID: 1976768.