LKT Laboratories, Inc.
Small Cardioactive Peptide B

Product Information

Product ID	S1061
CAS No.	84746-43-0
Chemical Name	
Synonym	SCPB
Formula	$C_{52}H_{80}N_{14}O_{11}S_2$
Formula Wt.	1141.43
Melting Point	
Purity	≥95%
Solubility	

H-Met-Asn-Tyr-Leu-Ala-Phe-Pro-Arg-Met-NH2

Bulk quanitites available upon request

Product ID	Size
S1061	1 mg
S1061	2 mg
S1061	5 mg

Store Temp	-20°C
Ship Temp	Ambient
Description	Small cardioactive peptide B (SCPB) 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*. SCPB acts at the neuromuscular synapse, increasing cAMP; here, this peptide facilitates connection between cholinergic inhibitory neurons and sensory neurons. SCPB 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.

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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.

Norekian TP, Satterlie RA. Small cardioactive peptide B increases the responsiveness of the neural system underlying prey capture reactions in the pteropod mollusc, Clione limacina. J Exp Zool. 1994 Oct 1;270(2):136-47. PMID: 7999153.

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