



LKT Laboratories, Inc.

Physalaemin

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Product Information

Product ID P2994

CAS No. 2507-24-6

Chemical Name

Synonym

Formula $C_{58}H_{84}N_{14}O_{16}S$

Formula Wt. 1265.48

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water.

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description Physalaemin is an amphibian tachykinin neuropeptide. This peptide induces contractions in distal colon and esophageal longitudinal muscle in vivo through direct activation of smooth muscle cells and Ca^{2+} influx.

pGlu-Ala-Asp-Pro-Asn-Lys-Phe-
Tyr-Gly-Leu-Met-NH₂

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P2994	1 mg	\$75.70
P2994	2 mg	\$129.30
P2994	5 mg	\$226.90

References Shiina T, Shima T, Hirayama H, et al. Contractile responses induced by physalaemin, an analogue of substance P, in the rat esophagus. *Eur J Pharmacol.* 2010 Feb 25;628(1-3):202-6. PMID: 19958761.

Fontaine J, Lebrun P. Contractile effects of substance P and other tachykinins on the mouse isolated distal colon. *Br J Pharmacol.* 1989 Mar;96(3):583-90. PMID: 2470454.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.