



LKT Laboratories, Inc.

Granuliberin R

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Product Information

Product ID G6803

CAS No. 64704-41-2

Chemical Name

Synonym

Formula $C_{69}H_{103}N_{19}O_{14}$

Formula Wt. 1422.71

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water.

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

Ship Temp Ambient

Description Granuliberin R is an amphiphilic antimicrobial peptide (AMP) originally found in amphibian skin. In mast cells, granuliberin R induces histamine release and increases K^{+} efflux. Granuliberin also inhibits basal gingival epithelial cell proliferation in animal models, potentially through a mechanism involving suppression of mitotic activity.

H-Phe-Gly-Phe-Leu-Pro-Ile-Tyr-Arg-Arg-Pro-Ala-Ser-NH₂

Bulk quantities available upon request

Product ID	Size
G6803	1 mg
G6803	2 mg
G6803	5 mg

References Nakao S, Komagoe K, Inoue T, et al. Comparative study of the membrane-permeabilizing activities of mastoparans and related histamine-releasing agents in bacteria, erythrocytes, and mast cells. *Biochim Biophys Acta*. 2011 Jan;1808(1):490-7. PMID: 20955685.

Kozakiewicz M, Godlewski A. Modulation of the mitotic activity and population of the mast cells in the oral mucosa by substance P. *Cell Mol Biol Lett*. 2003;8(3):727-34. PMID: 12949612.

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