



LKT Laboratories, Inc.

Phyllolitorin

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Product Information

Product ID P2992

CAS No. 87734-77-8

Chemical Name

Synonym

Formula $C_{49}H_{69}N_{11}O_{11}S$

Formula Wt. 1020.24

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water.

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

Ship Temp Ambient

Description Phyllolitorin is a bombesin-related amphibian nonapeptide. Phyllolitorin induces contractions in urinary bladder smooth muscle and may play a role in lung branching morphogenesis. In mammals, phyllolitorin binds the gastrin-releasing peptide (GRP)-preferring bombesin receptor and the neuromedin B-preferring bombesin receptor. Phyllolitorin also elicits grooming and scratching behavior in mammalian animal models.

pGlu-Leu-Trp-Ala-Val-Gly-Ser-Phe-Met-NH₂

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P2992	0.5 mg	\$75.70
P2992	1 mg	\$129.30
P2992	2.5 mg	\$226.90

References Lin JT, Coy DH, Mantey SA, et al. Comparison of the peptide structural requirements for high affinity interaction with bombesin receptors. Eur J Pharmacol. 1995 Dec 27;294(1):55-69. PMID: 8788416.

King KA, Torday JS, Sunday ME. Bombesin and [Leu8]phyllolitorin promote fetal mouse lung branching morphogenesis via a receptor-mediated mechanism. Proc Natl Acad Sci U S A. 1995 May 9;92(10):4357-61. PMID: 7753811.

Masui A, Kato N, Itoshima T, et al. Scratching behavior induced by bombesin-related peptides. Comparison of bombesin, gastrin-releasing peptide and phyllolitorins. Eur J Pharmacol. 1993 Jul 20;238(2-3):297-301. PMID: 7691621.

Falconieri Erspamer G, Mazzanti G, Farruggia G, et al. Parallel bioassay of litorin and phyllolitorins on smooth muscle preparations. Peptides. 1984 Jul-Aug;5(4):765-8. PMID: 6494026.

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