



LKT Laboratories, Inc.

Phallicidin

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: getinfo@lktlabs.com

Web: lktlabs.com

Product Information

Product ID P2303

CAS No. 26645-35-2

Chemical Name cyclic(L-Alanyl-2-mercapto-L-tryptophyl-4,5-dihydroxy-L-leucyl-L-valyl-erythro-3-hydroxy-D-alpha-aspartyl-L-cysteinyl-cis-4-hydroxy-L-prolyl) cyclic (2-6)-sulfide

Synonym Falacidin

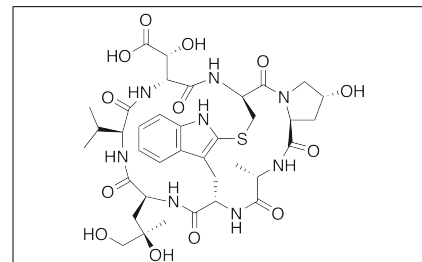
Formula C₃₇H₅₀N₈O₁₃S

Formula Wt. 846.91

Melting Point

Purity ≥98%

Solubility Soluble in DMSO, methanol, water or dimethyl formamide.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P2303	1 mg	\$510.50
P2303	5 mg	\$1823.10

Store Temp 4°C

Ship Temp Ambient

Description Phallicidin is a phallotoxin found in *Amanita phalloides* that exhibits cytotoxic activity. Phallicidin binds F-actin and inhibits depolymerization; it locks adjacent subunits together, preventing actin ATP hydrolysis. Fluorescent-tagged conjugates of phallicidin are used to measure distribution of F-actin in vitro. Phallicidin also inhibits mast cell degranulation.

References Schmid E, Gu S, Yang W, et al. Serum- and glucocorticoid-inducible kinase SGK1 regulates reorganization of actin cytoskeleton in mast cells upon degranulation. *Am J Physiol Cell Physiol.* 2013 Jan 1;304(1):C49-55. PMID: 23015548.

Zalavary S, Bengtsson T. Adenosine inhibits actin dynamics in human neutrophils: evidence for the involvement of cAMP. *Eur J Cell Biol.* 1998 Feb;75(2):128-39. PMID: 9548370.

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