



LKT Laboratories, Inc.

Phalloidin

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Product Information

Product ID P2304

CAS No. 17466-45-4

Chemical Name Cyclic(L-alanyl-D-threonyl-L-cysteinyl-cis-4-hydroxy-L-prolyl-L-alanyl-2-mercapto-L-tryptophyl-4,5-dihydroxy-L-leucyl), cyclic (3,6)-sulfide

Synonym Phalloidine

Formula C₃₅H₄₈N₈O₁₁S

Formula Wt. 788.87

Melting Point 280-282 °C

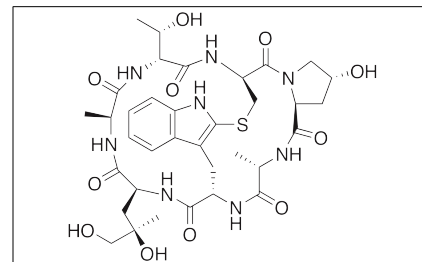
Purity ≥95%

Solubility Soluble in methanol, ethanol, butanol, pyridine or hot water.

Store Temp 4 °C

Ship Temp Ambient

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



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P2304	1 mg	\$301.10
P2304	5 mg	\$1273.70

References Cooper JA. Effects of cytochalasin and phalloidin on actin. J Cell Biol. 1987 Oct;105(4):1473-8. PMID: 3312229.

Barden JA, Miki M, Hambly BD, et al. Localization of the phalloidin and nucleotide-binding sites on actin. Eur J Biochem. 1987 Feb 2;162(3):583-8. PMID: 3830158.

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