Data Sheet (Cat.No.T19512)

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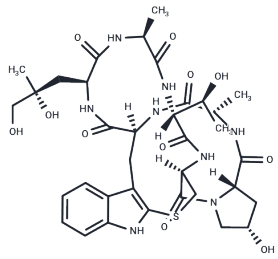
Phalloidin

Chemical Properties



CAS No. : 17466-45-4

Formula: C35H48N8O11S

Molecular Weight: 788.87

Appearance: no data available

Storage: keep away from direct sunlight,keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Phalloidin, a bicyclic heptapeptide found in Gooseberry, is involved in F-actin staining. Phalloidin is a compound that irreversibly polymerizes actin into microfilaments.Phalloidin interferes with cell motility and growth, and can be used to label cerebral blood vessels.
In vitro	microinjection of phalloidin interferes in a concentration-dependent manner with cell locomotion and cell growth[1].

Solubility Information

Solubility	DMSO: 5 mg/mL (6.34 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2676 mL	6.3382 mL	12.6764 mL
5 mM	0.2535 mL	1.2676 mL	2.5353 mL
10 mM	0.1268 mL	0.6338 mL	1.2676 mL
50 mM	0.0254 mL	0.1268 mL	0.2535 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Wehland J, et al. Phalloidin-induced actin polymerization in the cytoplasm of cultured cells interferes with cell locomotion and growth. Proc Natl Acad Sci U S A. 1977 Dec;74(12):5613-7.

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