

## Phalloidin-TRITC

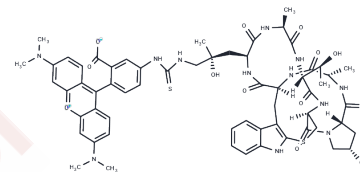
### Chemical Properties

CAS No. : 915013-10-4

Formula: C<sub>60</sub>H<sub>70</sub>N<sub>12</sub>O<sub>13</sub>S<sub>2</sub>

Molecular Weight: 1231.41

Storage: Keep away from direct sunlight  
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



### Biological Description

Description	Phalloidin-TRITC is a TRITC labeled, red fluorescence probe for F-actin . Phalloidin, bound to actin filaments, reacts covalently with amino acids Glu-IIT, Met-II9, and Met355, which are very close to the nucleotide binding site.
Targets(IC50)	Others,Arp2/3 Complex
In vitro	Phalloidin induced actin polymerization in the cytoplasm of cultured cells interferes with cell locomotion and growth[2].

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8121 mL	4.0604 mL	8.1208 mL
5 mM	0.1624 mL	0.8121 mL	1.6242 mL
10 mM	0.0812 mL	0.406 mL	0.8121 mL
50 mM	0.0162 mL	0.0812 mL	0.1624 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

- J A Cooper, et al. Effects of cytochalasin and phalloidin on actin. J Cell Biol. 1987 Oct;105(4):1473-8.
- J Wehland, 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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