

DATASHEET

Phalloidin

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100 μ M Phalloidin (solid)
Cat. #: 5630-01

For Laboratory Use Only.
Not for Use in Animal or Human Diagnostic
or Therapeutic Processes.

Product Documentation

Phalloidin is a bicyclic peptide of a family of toxins isolated from the *Amanita phalloides* "death cap" mushroom. The peptide is commonly used to selectively stabilize actin filaments.

Phalloidin conjugates bind in a stoichiometric ratio of about one phalloxin per actin subunit in both muscle and non-muscle cells, and have similar affinity for both large and small filaments. Phalloidins do not bind to monomeric actin and have a stabilizing effect on F-actin.

Preparation of a Phalloidin working stock

Add 500 μ l MeOH (>99.5%), DMF or DMSO to the tube with Phalloidin, to obtain a 100 μ M stock solution. Leave at room temperature for 5min and vortex to dissolve. This stock can now be stored at -20°C.

! Important: Works with Phalloidin are carried out under laboratory safety regulations.

Storage and Stability

For continuous use, store the Phalloidin stock in solvent at -20°C for up six months. Avoid repeated freeze/thawing. Prepare aliquots in small tubes for frequent use, to avoid damage of the compound by oxygen.

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