

Product Name: Phalloidin-TRITC

Catalog No.: 5783

Batch No.: 4

CAS Number: 915013-10-4

IUPAC Name: 7-[(4*R*)-5-[[[4-[3,6-Bis(dimethylamino)xanthylium-9-yl]-3-carboxyphenyl]amino]thioxomethyl]amino]-4-hydroxy-L-leucine]phalloidin

1. PHYSICAL AND CHEMICAL PROPERTIES

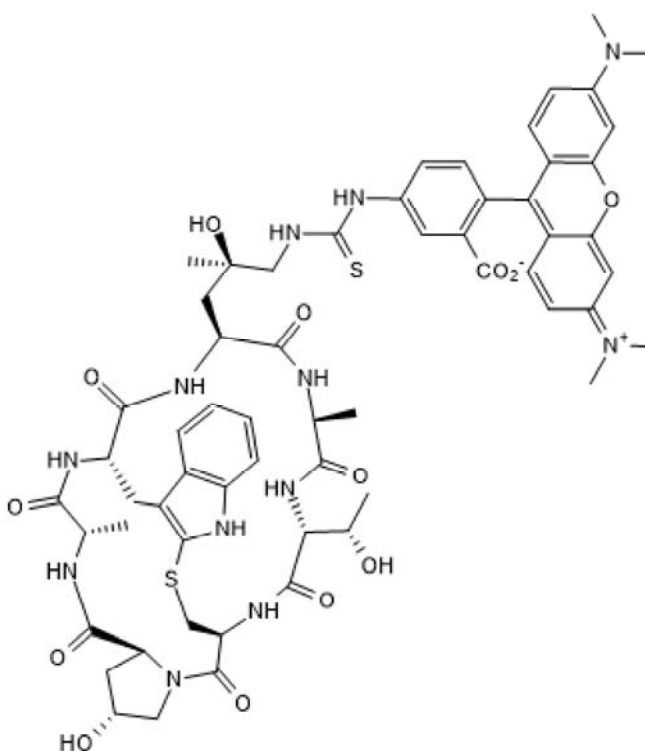
Batch Molecular Formula: C₆₀H₇₀N₁₂O₁₃S₂

Batch Molecular Weight: 1231.4

Physical Appearance: Red/purple solid

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 96.0% purity at 254 nm

UV Spectrum: Consistent with structure

λ_{max}: 541 nm (MeOH)

λ_{em}: 562 nm (MeOH)

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Phalloidin-TRITC is a red-orange fluorescent cytoskeleton stain. Binds and labels F-actin. For most fluorescent imaging applications, cells should to be fixed and permeabilized. Excitation/emission maxima $\lambda \sim 540/565$ nm We suggest making up a stock solution of this product by dissolving the vial contents in 1.5 mL methanol or DMSO. Please refer to the protocol for further information on using this product.

Physical and Chemical Properties:

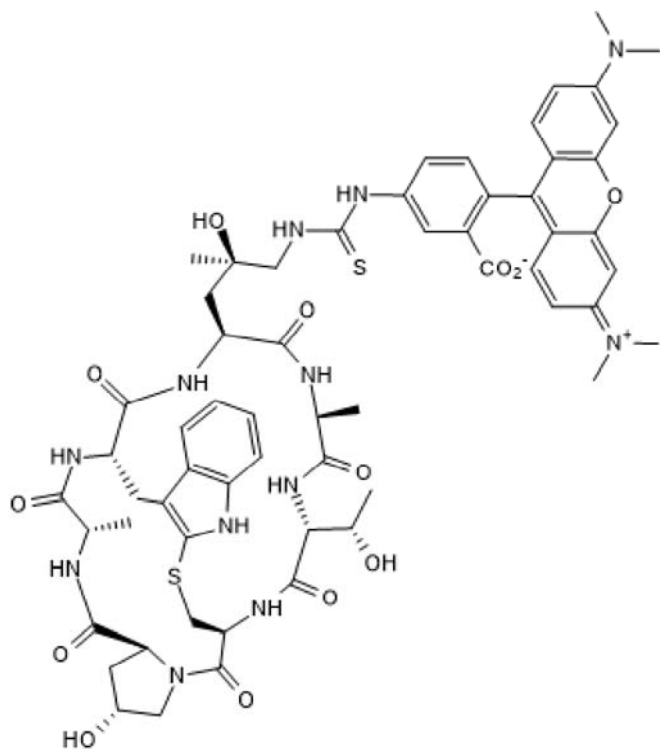
Batch Molecular Formula: C₆₀H₇₀N₁₂O₁₃S₂

Batch Molecular Weight: 1231.4

Physical Appearance: Red/purple solid

Minimum Purity: ≥90%

Batch Molecular Structure:



Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

This product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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