

Certificate of Analysis

www.tocris.com

Product Name: Phalloidin-FITC

Catalog No.: 5782

Batch No.: 6

CAS Number: 915026-99-2

IUPAC Name: 7-[(4*R*)-*N*⁵-[[[(3',6'-Dihydroxy-3-oxospiro[isobenzofuran-1(3*H*),9'-[9*H*]xanthen]-5-yl)amino]thioxomethyl]-4-hydroxy-4-methyl-L-ornithine]phalloidin

1. PHYSICAL AND CHEMICAL PROPERTIES

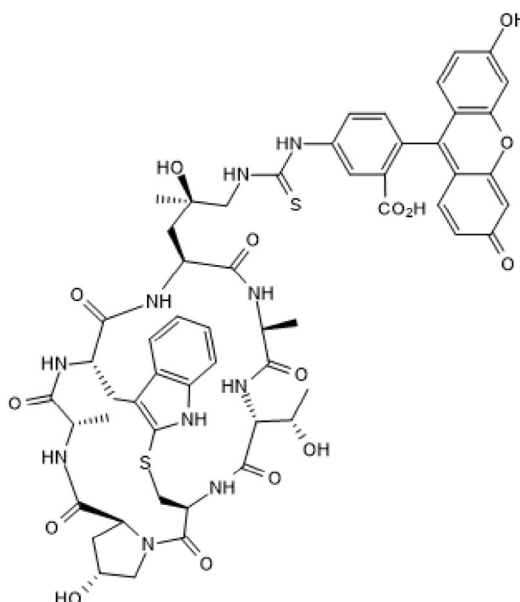
Batch Molecular Formula: C₅₆H₆₀N₁₀O₁₅S₂

Batch Molecular Weight: 1177.26

Physical Appearance: Yellow solid

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 91.0% purity at 254 nm

UV Spectrum: Consistent with structure

λ_{max}: 495 nm (pH buffer 10)

λ_{em}: 516 nm (pH buffer 10)

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

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Description:

Key information: Phalloidin-FITC is a green-fluorescent cytoskeleton stain. It binds and labels specifically F-actin. Used for: Phalloidin-FITC can be used to visualize and quantify F-actin in tissue sections, cell cultures or cell-free experiments with optimal results in formaldehyde-fixed and permeabilized cells. Application: fluorescent microscopy, immunofluorescence (IHC, ICC). Properties and Photophysical Data: Phalloidin-FITC is composed of the F-actin probe, Phalloidin (Cat. No. 4535), conjugated to Fluorescein isothiocyanate (FITC; Cat. No. 5440) dye. Phalloidin binds F-actin with high selectivity allowing Phalloidin-FITC to ... Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

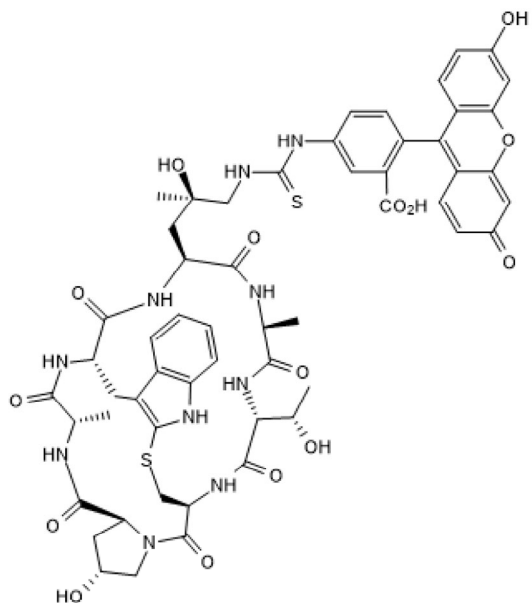
Batch Molecular Formula: C₅₆H₆₀N₁₀O₁₅S₂

Batch Molecular Weight: 1177.26

Physical Appearance: Yellow 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 in lyophilized form. It may appear as a solid, gel or film and 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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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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