Print Date: Sep 13th 2021

Certificate of Analysis

www.tocris.com

Product Name: **Phalloidin-TFAX 488** **Catalog No.: 6622** **Batch No.: 1**

CAS Number: 289620-19-5

IUPAC Name: 7-[5-[[3(4)-Carboxy-4(3)-(3,6-diamino-4,5-disulfoxanthylium-9-yl)benzoyl]amino]-4-hydroxy-L-leucine]phalloidin dilithium salt

1. PHYSICAL AND CHEMICAL PROPERTIES

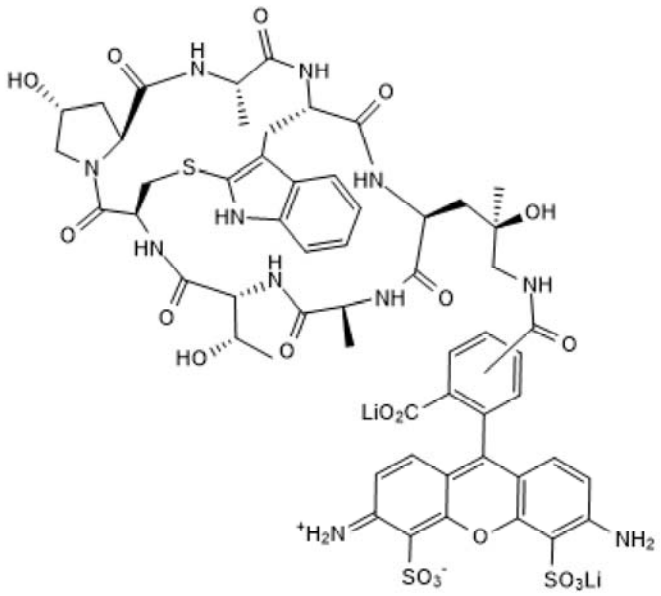
Batch Molecular Formula: $C_{56}H_{59}Li_2N_{11}O_{20}S_3$

Batch Molecular Weight: 1316.21

Physical Appearance: Orange solid

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 100.0% purity

Mass Spectrum: Consistent with structure

λ_{max}: 493 nm (pH 7 buffer)

λ_{em}: 517 nm

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Description:

Phalloidin-TFAX 488 is a green fluorescent cytoskeletal stain. Composed of the F-actin probe, Phalloidin (Cat. No. 4535), conjugated to TFAX 488. Suitable for use in super resolution microscopy techniques such as dSTORM. Excitation/emission maximum λ ~ 495/418 nm. Water soluble. 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. Please see product specific page on www.tocris.com for full description.

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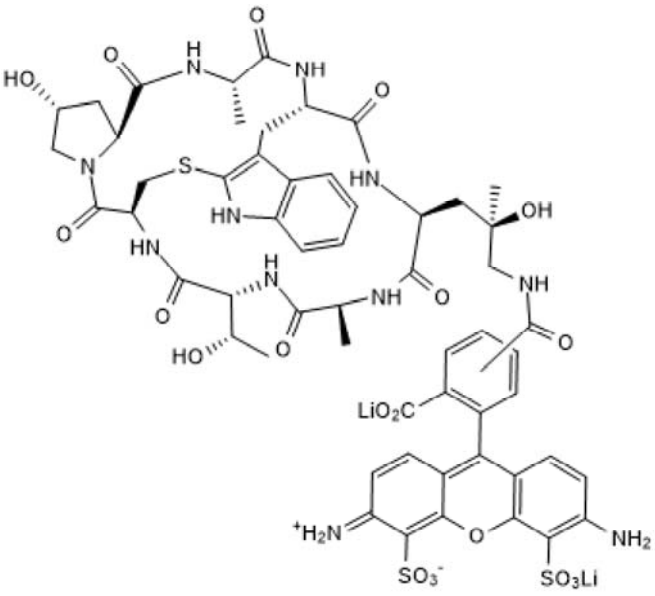

Storage: Store at -20°C

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

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.

References:

Panchuk-Voloshina *et al* (1999) Alexa dyes, a series of new fluorescent dyes that yield exceptionally bright, photostable conjugates. J.Histochem.Cytochem. ***47*** 1179. PMID: 10449539 .