Overview

Product name: Stains-All

Description: Cationic carbocyanine dye for differential staining of nucleic acids and proteins.

Biological description: Cationic carbocyanine dye used for differential staining of nucleic acids and proteins with RNA staining blue/purple, DNA staining blue, and proteins staining red. Ideal dye for the visualization and identification of proteins on polyacrylamide gels because it differentiates between highly acidic proteins which stain blue and less acidic proteins which stain pink. Staining of Ca^{2+}-binding proteins in muscle extracts was 50 to 100% more intense than obtained with Coomassie blue staining. When employed on polyacrylamide gels, the intensity of Stains-All can be increased by the addition of silver nitrate.

Purity: > 95%

Properties

Chemical name: 1-Ethyl-2-[3-(1-ethynaphtho[1,2-d]thiazol-2(1H)-ylidene)-2-methyl-1-propenyl]naphtho[1,2-d]thiazolium bromide

Molecular weight: 559.58

Chemical structure:

Molecular formula: C_{30}H_{27}BrN_{2}S_{2}

CAS Number: 7423-31-6

Storage instructions: Store at Room Temperature. The product can be stored for up to 12 months.

Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

Source: Synthetic
Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team