

Cardiogreen

Cat: IC1641

Storage: Powder:2-8°C,2 years;Insolvent(mother liquid):-20°C,6 months;-80°C,1 year(protect from light)

Introduction

Cardiogreen, also known as indolyanine Green, Foxgreen, IC Green, is a low-toxicity cyanine dye widely used in medical diagnostic and related studies, such as determining cardiac output, liver function and liver blood flow, and for ophthalmic angiography.

Parameters

CAS: 3599-32-4

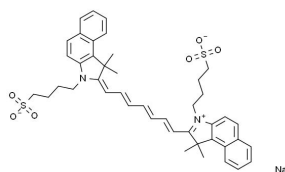
Molecular Formula: C₄₃H₄₇N₂NaO₆S₂

Molecular Weight: 774.96

Purity: ≥95%

Appearance: Green to black Solid

Solubility: Soluble in DMSO ≥5mg/mL



Protocols (only for reference)

Preparative storage solution

Prepare a 10 mM reserve solution with DMSO. For example: 1 mg of Cardiogreen powder dissolved in 0.129 mL DMSO.

Note:

- Unused storage solution is recommended to be stored at -20°C to avoid repeated freezing and thawing.
- Hygroscopic DMSO has a significant effect on the solubility of the product, please use a newly opened DMSO.

Preparation of working fluid

Dilute the reservoir with a suitable buffer (e.g. serum-free medium or PBS).

Note :

- The final concentration of working fluid is recommended to be optimized according to different cell lines and experimental systems.
- When it is found to be difficult to dissolve, appropriate ultrasonic treatment can be used to promote dissolution.
- Please adjust the concentration of the working liquid according to the actual situation, and use it now.

Note

- Fluorescent dyes have quenching problems, please pay attention to avoid light as much as possible to slow down the fluorescence quenching.

2. For your safety and health, please wear laboratory coats and disposable gloves when operating.
3. This product is for scientific research use only. Do not use it for medical, clinical diagnosis or treatment, food and cosmetics, etc. Do not store it in ordinary residential areas.

Related Literature

[1]. Li Y, et al. Antigen Capture and Immune Modulation by Bacterial Outer Membrane Vesicles as In Situ Vaccine for Cancer Immunotherapy Post-Photothermal Therapy. *Small*. 2022 Apr;18(14):e2107461. doi: 10.1002/smll.202107461. Epub 2022 Feb 12. PMID: 35152555. (IF:13.2)

Note: For more literature, please visit the Solarbio official website