

Cardiogreen

Cat: IC1640

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.

Parameter

CAS: 3599-32-4

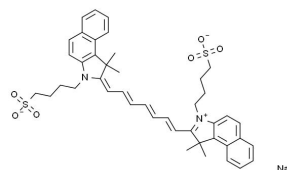
Molecular Formula: C₄₃H₄₇N₂NaO₆S₂

Molecular Weight: 774.96

Purity: ≥98%

Appearance: Light green to dark green Solid

Solubility: Soluble in DMSO



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 immediately after dissolution.

Note

- Fluorescent dyes have quenching problems, please pay attention to avoid light as much as possible to slow down the fluorescence quenching.
- For your safety and health, please wear laboratory coats and disposable gloves when operating.
- 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.