

Janus green B

Cat: IJ0680

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

Introduction:

Janus green B is an in vitro vital staining agent. The staining reaction of Janus green B depends on oxygen and is reversibly inhibited by cyanide. Janus green B can directly stain living cells, and within the cytoplasm, mitochondria stained blue-green as linear or granular corpuscles can be observed. The reason why mitochondria can show blue-green color is that there is a cytochrome oxidase system in mitochondria, which keeps the dye in the oxidized state and appears blue-green, while the dye in the surrounding cytoplasm is reduced and colorless. Janus green B can specifically conduct vital staining on mitochondria.

Parameter

CAS: 2869-83-2

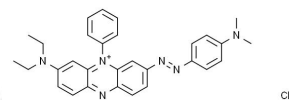
Molecular Formula: C₃₀H₃₁ClN₆

Molecular Weight: 511.07

Purity: ≥97%

Appearance: Brown to dark brown Solid

Solubility: Soluble in Water ≥5mg/mL



Protocols (only for reference)

1. Operate according to the specific requirements of the experiment.
2. The freshly extracted mitochondria were mixed with an appropriate amount of Janus green B staining solution with an appropriate concentration, which was generally stained for 1-3min, depending on the staining of different samples.

Note

1. The dyeing process must maintain the activity of the material taken and operate quickly.
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 Products

IF1780 MitoTracker Green FM

IF1770 Mitochondrial red fluorescent probe

IJ0300 JC-1

IJ0310 JC-10

IR1800 Rhodamine 123