

Product Data Sheet

Product Name: Janus Green B

Cat. No.: GD15742

Chemical Properties

Cas. No. 2869-83-2

Formula $C_{30}H_{31}ClN_6$ M.Wt 511.06

Solubility DMSO : 125 mg/mL (244.59 mM; Storage 2-8°C
Need ultrasonic)

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure



Background

Janus green B is a supravital stain. Janus green B staining reaction is oxygen dependent, and is reversibly inhibited by cyanide. Janus green B has been used for staining peripheral nerves in live insects, lymphatic vessels of rabbits and mitochondria.

[1]. LAZAROW A, et al. Studies on the enzymatic basis for the Janus green B staining reaction. J Histochem Cytochem. 1953 Jul;1(4):234-41.

[2]. Yack JE. Janus Green B as a rapid, vital stain for peripheral nerves and chordotonal organs in insects. J Neurosci Methods. 1993 Aug;49(1-2):17-22.

[3]. Lee BC, et al. Novel threadlike structures (Bonghan ducts) inside lymphatic vessels of rabbits visualized with a Janus Green B staining method. Anat Rec B New Anat. 2005 Sep;286(1):1-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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