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; Need ultrasonic)	Storage	2-8°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or 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.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA