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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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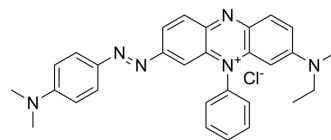
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Janus green B

Cat. No.:	HY-D1122
CAS No.:	2869-83-2
Molecular Formula:	C ₃₀ H ₃₁ ClN ₆
Molecular Weight:	511.06
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (244.59 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.9567 mL	9.7836 mL	19.5672 mL
5 mM	0.3913 mL	1.9567 mL	3.9134 mL
10 mM	0.1957 mL	0.9784 mL	1.9567 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

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][2][3]}.

REFERENCES

- [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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