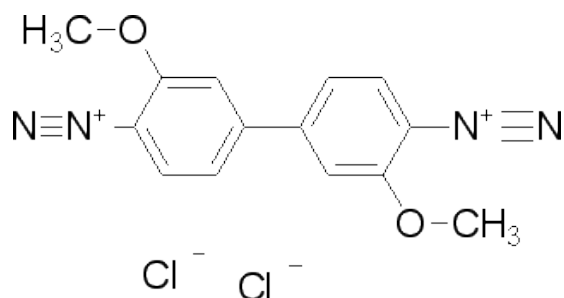


Fast Blue

Neuronal retrograde tracer

Product Description

Name :	Fast Blue
Catalog Number :	Diaminodino compound 253/50 FP-CM0240 1 mg FP-CM0241 5 mg
Structure :	C ₂₀ H ₁₈ ClN ₅ O
Molecular Weight :	MW= 379.84
Solubility:	water, lower alcohols
Absorption / Emission :	$\lambda_{exc} \backslash \lambda_{em} = 365 / 420$ nm



Storage: Room temperature (z)

Introduction

Fast Blue fluorescent dye is commonly used as a Neuronal Tracer and is sometimes referred to as a Hydrophilic Retrograde Tracer.

Directions for use

Guidelines for use

Fast Blue can be injected into laboratory animals at a concentration of 2.5% in isotonic saline. Common protocols recommend injecting 0.01-0.2 microliters of a 2.5% concentration into the desired area of the laboratory animal. Euthanasia then occurs 2-3 days post-injection.

For a 0.1% solution of the Fast-Blue, the following formula should be followed:

- 1 g of Fast Blue
- 1000 ml of 95% ethanol
- 5 ml of 10% acetic acid

References

- **Brierley S.** et al., Differential chemosensory function and receptor expression of splanchnic and pelvic colonic afferents in mice, *J. Physiol.* 567;267-281 (2005) [Article](#)
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- **Hunter D., Undem B.**, Identification and Substance P Content of Vagal Afferent Neurons Innervating the Epithelium of the Guinea Pig Trachea, *Am. J. Respir. Crit. Care Med.*, 159: 1943 (1999) [Article](#)
- **Kuypers H., Huisman A.**, *Adv. Cell. Neurobiol.*, **5**, 307 (1984)
- **Vari R.** et al., Renal function and Ca²⁺ currents after dye-labeling identification of renal sympathetic neurons, *Am J Physiol Regul Integr Comp Physiol* 277: R1513-R1521 (1999) [Article](#)
- *J. Anat. Soc. India* **48** (2) 67-72 (1999)

Technical and scientific information

Related / associated products and documents

See [BioSciences Innovations catalogue](#) and [e-search tool](#).

- Hydroxystilbamidine, methanesulfonate (FluoroGold®), [FP-40766A](#)
- Labeled microspheres, [FP-CJ2740](#)
- Lucifer Yellow CH, [FP-15437A](#)
- Biotin ethylenediamine, hydrobromide, [FP-76658A](#)

Ordering information

[Catalog size quantities and prices may be found at www.interchim.com/](#)

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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