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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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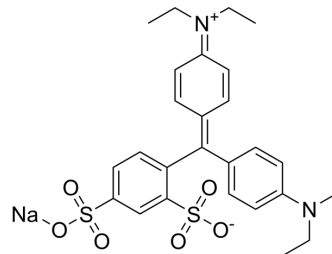
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Patent Blue V (Standard)

Cat. No.:	HY-W110929R
CAS No.:	129-17-9
Molecular Formula:	C ₂₇ H ₃₁ N ₂ NaO ₆ S ₂
Molecular Weight:	566.66
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Patent Blue V (Standard) is the analytical standard of Patent Blue V. This product is intended for research and analytical applications. Patent Blue V (Acid blue 1) is a novel biological dye that can be used as an intraocular dye for retinectomy. Retinectomy refers to the removal of the translucent inner limiting membrane (ILM). The application of appropriate dyes in vitreoretinal surgery can achieve the purpose of complete removal. Patent Blue V can be used to stain retinal premembranous structures. Spectral analysis shows that Patent Blue V has strong absorption below 450 nm and above 600 nm, showing a blue-green color. Patent Blue V is also used as a marker in lymphangiography for resection of neoplastic lymph nodes^{[1][2]}.

REFERENCES

[1]. Mennel S, et al. Patent blue: a novel vital dye in vitreoretinal surgery. *Ophthalmologica*. 2006;220(3):190-3.

[2]. Barranger E, et al. Laparoscopic sentinel lymph node procedure using a combination of patent blue and radioisotope in women with cervical carcinoma. *Cancer*. 2003 Jun 15;97(12):3003-9.

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

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