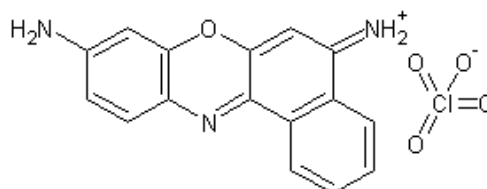


# Cresyl Violet

Probe for staining Nissl substances in nerve cells

## Product Description

|                                |   |
|--------------------------------|---|
| <b>Name :</b>                  | <b>Cresyl Violet, perchlorate</b>                               |
|                                | Oxazine 9 perchlorate   |
| <b>Catalog Number :</b>        | FP-BS5990 100 mg  |
| <b>CAS :</b>                   | 41830-80-2  |
| <b>Structure :</b>             | C <sub>16</sub> H <sub>12</sub> ClN <sub>3</sub> O <sub>5</sub> |
| <b>Molecular Weight :</b>      | MW= 361,74  |
| <b>Solubility:</b>             | DMSO  |
| <b>Absorption / Emission :</b> | $\lambda_{exc}\lambda_{em}$ (MeOH) = 601/632 nm                 |



**Storage:** Protect material from long-term exposure to light; may be exposed to light for short periods of time.

## Introduction

This product is used for staining Nissl substances in nerve cells and for bulk staining of nerve tissue. It is also used for preparing Magic Red-based protease substrates that have red fluorescence upon enzyme hydrolysis.

## Directions for use

Protocol may be found in the literature.

## References

- **Dixon, J. M., et al.** "PhotochemCAD 2. A Refined Program with Accompanying Spectral Databases for Photochemical Calculations, *Photochem. Photobiol.*, 81, 212-213 (2005)
- **Du H., et al.** PhotochemCAD: A computer-aided design and research tool in photochemistry. *Photochem. Photobiol.* 68, 141-142 (1998)
- **Liu J., et al.**, Exploring one-state downhill protein folding in single molecules, *PNAS*, 109: 179 - 184 (2012) [Abstract](#)
- **Magde, D., et al.** Absolute luminescence yield of cresyl violet. A standard for the red. *J. Phys. Chem.* 83, 696-699 (1979)
- **Wang Y., et al.**, Girdin Is an Intrinsic Regulator of Neuroblast Chain Migration in the Rostral Migratory Stream of the Postnatal Brain, *J. Neurosci.*, 31: 8109 - 8122 (2011) [Article](#)

## Technical and scientific information

### Related / associated products and documents

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

- [NeuroVue](#) for Neuronal Tract study
- Luxol Fast Blue, RTU [QY2880](#)

## Ordering information

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