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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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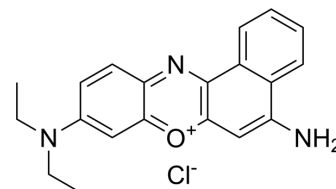
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Nile blue chloride

Cat. No.:	HY-W110898
CAS No.:	2381-85-3
Molecular Formula:	C ₂₀ H ₂₀ ClN ₃ O
Molecular Weight:	353.85
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)



BIOLOGICAL ACTIVITY

Description

Nile blue chloride is a highly fluorescent and photostable organic dye. Nile blue chloride and fluorescein isothiocyanate (FITC) can be used to construct a ratiometric pH sensitive probe for tracking the pH of the extracellular fluid between cancer cells in realtime. Nile Blue chloride has the potential for the research of nonlinear optics^{[1][2]}.

REFERENCES

- [1]. QM Ali, et al. Z-scan determination of the third-order optical nonlinearity of organic dye nile blue chloride. *Modern Physics Letters B*. 2006, 623-632.
- [2]. Martinez V, et al. Nile Red and Nile Blue: Applications and Syntheses of Structural Analogues. *Chemistry*. 2016 Sep 19;22(39):13764-13782.

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

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