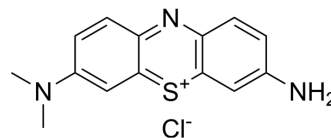


Azure A chloride

Cat. No.:	HY-D0947
CAS No.:	531-53-3
Molecular Formula:	C ₁₄ H ₁₄ ClN ₃ S
Molecular Weight:	291.8
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	H ₂ O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)
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BIOLOGICAL ACTIVITY

Description	Azure A (chloride) is a phenothiazine dye. Azure A (chlorine) is formed by oxidation of methylene blue and has strong metachromatic. Azure A (chlorine) can be used for the study of stains and redox media for electrochemical biosensing ^{[1][2]} .
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REFERENCES

- [1]. Snehalatha M, et al. Azure A chloride: computational and spectroscopic study[J]. Journal of Raman Spectroscopy: An International Journal for Original Work in all Aspects of Raman Spectroscopy, Including Higher Order Processes, and also Brillouin and Rayleigh Scattering, 2009, 40(2): 176-182.
- [2]. Shahab S, et al. Photochromic properties of the molecule Azure A chloride in polyvinyl alcohol matrix[J]. Journal of Molecular Structure, 2015, 1101: 109-115.

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

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