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**Product Data Sheet**

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Product Name: Azure A chloride

Cat. No.: GD00197

**Chemical Properties**

Cas. No. 531-53-3

Formula  $C_{14}H_{14}ClN_3S$  M.Wt 291.8Solubility  $H_2O$  : < 0.1 mg/mL (insoluble) Storage 4°C, sealed storage, away from moisture and light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

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]. 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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