

Product Data Sheet

Product Name: Phenazine ethosulfate

Cat. No.: GD20377

Chemical Properties

Cas. No. 10510-77-7

Formula

M.Wt

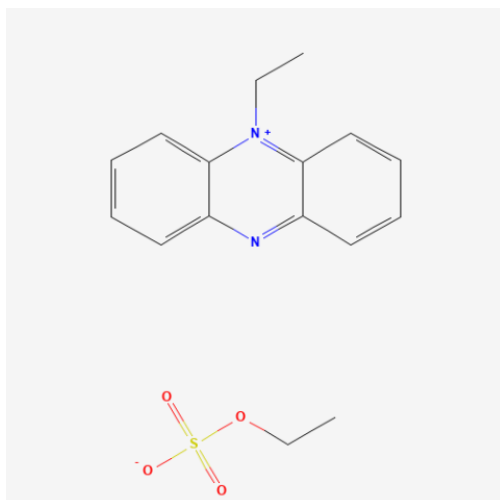
Solubility DMSO : 100 mg/mL (299.05 mM; Need ultrasonic)

Storage -20°C away from moisture

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

Phenazine ethosulfate is a cationic dye (Ex=390 nm, Em=530 nm) and an electron acceptor that can be used in dye-linked enzyme assays. Phenazine ethosulfate is an intermediate for detecting nitric oxide reductase (Nors) activity with the presence of ascorbic acid.

[1]. R Ghosh, et al. Phenazine ethosulfate as a preferred electron acceptor to phenazine methosulfate in dye-linked enzyme assays. Anal Biochem. 1979 Oct 15;99(1):112-7.

[2]. O.A.Ryazanova, et al. pH-Induced changes in electronic absorption and fluorescence spectra of

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

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phenazine derivatives. Spectrochim Acta A Mol Biomol Spectrosc. 2007 Apr;66(4-5):849-59.

[3]. Jessica H van Wonderen, et al. The nitric oxide reductase activity of cytochrome c nitrite reductase from Escherichia coli. J Biol Chem. 2008 Apr 11;283(15):9587-94.

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