
Product Data Sheet

Product Name: Methyl Green zinc chloride

Cat. No.: GC67838

Chemical Properties

Cas. No. 7114-03-6

Formula $C_{27}H_{35}BrCl_3N_3Zn$

M.Wt

Solubility H₂O : 2.5 mg/mL (ultrasonic and warming and heat to 60°C)

Storage 4°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**

Methyl Green zinc chloride is a potent fluorescent dye. Methyl Green zinc chloride is a DNA stains of cells and electrophoretic gels. Methyl Green zinc chloride can be used as direct measuring of viability by both microscopy and flow cytometry, with peaks at 633 and 677 nm^{[1][2]}.

[1]. Prieto D, et, al. A fast, low cost, and highly efficient fluorescent DNA labeling method using methyl green. Histochem Cell Biol. 2014 Sep;142(3):335-45.

[2]. Kim SK, et, al. Methyl green. A DNA major-groove binding drug. FEBS Lett. 1993 Jan 2;315(1):61-4.

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

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