Methyl Green zinc chloride

Cat. No.: HY-D0950A

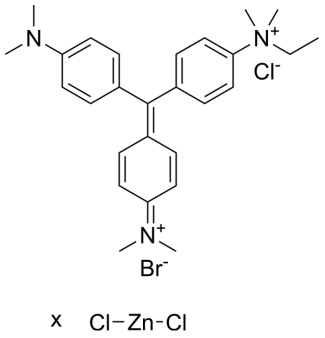
CAS No.: 7114-03-6

Molecular Formula: $C_{27}H_{35}N_3.Br.xCl_2Zn.Cl$

Target: DNA Stain

Pathway: Cell Cycle/DNA Damage

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_2O : 2.5 mg/mL (ultrasonic and warming and heat to 60°C)

BIOLOGICAL ACTIVITY

Description	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].

REFERENCES

[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.

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