



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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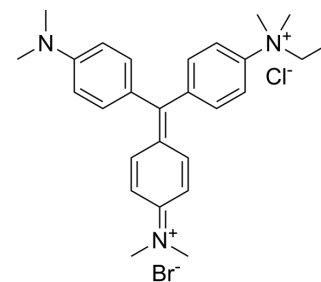
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## Methyl Green zinc chloride

<b>Cat. No.:</b>	HY-D0950A
<b>CAS No.:</b>	7114-03-6
<b>Molecular Formula:</b>	$C_{27}H_{35}N_3 \cdot Br \cdot xCl_2 \cdot Zn \cdot Cl$
<b>Target:</b>	DNA Stain
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Storage:</b>	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)



x Cl-Zn-Cl

### SOLVENT & SOLUBILITY

**In Vitro** H<sub>2</sub>O : 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<sup>[1][2]</sup>.

### 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.

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

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