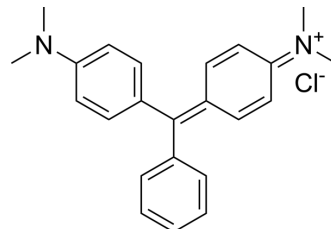


Basic green 4

Cat. No.:	HY-D0203
CAS No.:	569-64-2
Molecular Formula:	C ₂₃ H ₂₅ ClN ₂
Molecular Weight:	364.91
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (274.04 mM; Need ultrasonic)
H₂O : 3.85 mg/mL (10.55 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mM	2.7404 mL	13.7020 mL
5 mM			0.5481 mL	2.7404 mL	5.4808 mL
10 mM			0.2740 mL	1.3702 mL	2.7404 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Basic green 4 (Malachite green) is a cationic dye. Basic green 4 also is an N-methylated diaminotriphenylmethane dye to be used for coloring purpose^[1].

REFERENCES

[1]. Chowdhury. S, et al. Sea shell powder as a new adsorbent to remove Basic Green 4 (Malachite Green) from aqueous solutions: Equilibrium, kinetic and thermodynamic studies. Chemical Engineering Journal, 164(1), 168-177.

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

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